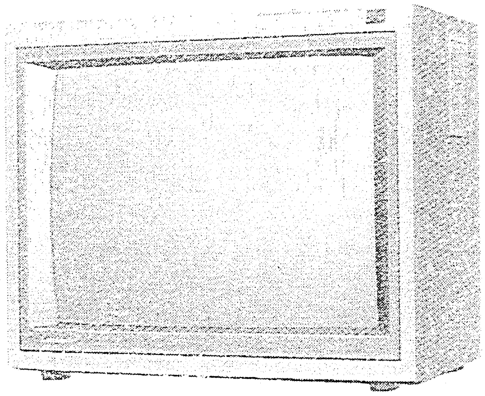
SEPTEMBER
1988

MITSUBISHI

Service Manual

COLOUR MONITOR
SX2 CHASSIS FAMILY



MODEL
EUM-3741A

CAUTION

Before servicing this product, it is important that the serviceman reads the "SAFETY PRECAUTIONS" and "PRODUCT SAFETY NOTICE" in this service manual.

SPECIFICATIONS

Power Input	AC 220V/240V 50Hz
Power Consumption	320W
Signal	
VIDEO Input:	EXT1, EXT2, EXT3, VTR, S-Y/C, D-SUB 25Pin
Output:	THROUGH (EXT1), SWITCHED VTR, D-SUB 25Pin
RGB TTL Input:	D-SUB 9Pin (8/16/64/AUTO Colour/ Monochrome)
RGB ANALOGUE Input	D-SUB 25Pin/BNC (Separate Sync/Sync on Green)
Output:	BNC (Through)
Super Impose:	VIDEO+ANALOGUE (Ys/Ym/AV)
Speaker:	4"×6" Oval type, 8ohm 2pcs.
Picture Tube	A89JVU81X 110° Deflection
Picture High Voltage:	30KV (at 10mA)
Cabinet Dimensions:	755mm(H)×910mm(W)×594mm(D) 29-3/4"(H)×35-7/8"(W)×23-3/8"(D)
Weight (Net)	110kg 242.5lbs.

Special Features:

- * Automatic tracking of wide range horizntal and vertical scanning frequencies.
  f (H): 15.5~35KHz
  f (V): 40~70Hz
- * Size and position of the screen can be adjusted with external controls.
- * High-resolution 37" colour CRT. 1.0mm stripe pitch.
- * Supports wide variety of input signals such as, video composite, RGB TTL, RGB ANALOGUE and Super Impose.
- * Diverse displays are obtainable by input of various signals such as composite video, RGB TTL, ANALOGUE and monochrome.

MITSUBISHI ELECTRIC CORPORATION

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SAFETY PRECAUTIONS

NOTICE. Observe all cautions and safety related notes located inside the receiver cabinet and on the receiver chassis.

WARNING

1. Operation of this receiver, outside the cabinet or with the cover removed, involves a shock hazard from the receiver power supplies. Work on the receiver should not be attempted by anyone who is not thoroughly familiar with precautions necessary when working on high-voltage equipment.
2. Do not install, remove or handle the picture tube in any manner unless shatter-proof goggles are worn. People not so equipped should be kept away while the picture tube is being handled. Keep the picture tube away from the body while handling.

X-RADIATION WARNING

The surface of the picture tube may generate X-Radiation. Precaution during service and, if possible, the use of a lead apron is recommended for shielding while handling.

When replacing the picture tube, use only the designated replacement part since it is a critical component with regard to X-Radiation as noted above. (No high-voltage adjustments are provided.) The high-voltage specification is described on page 1.

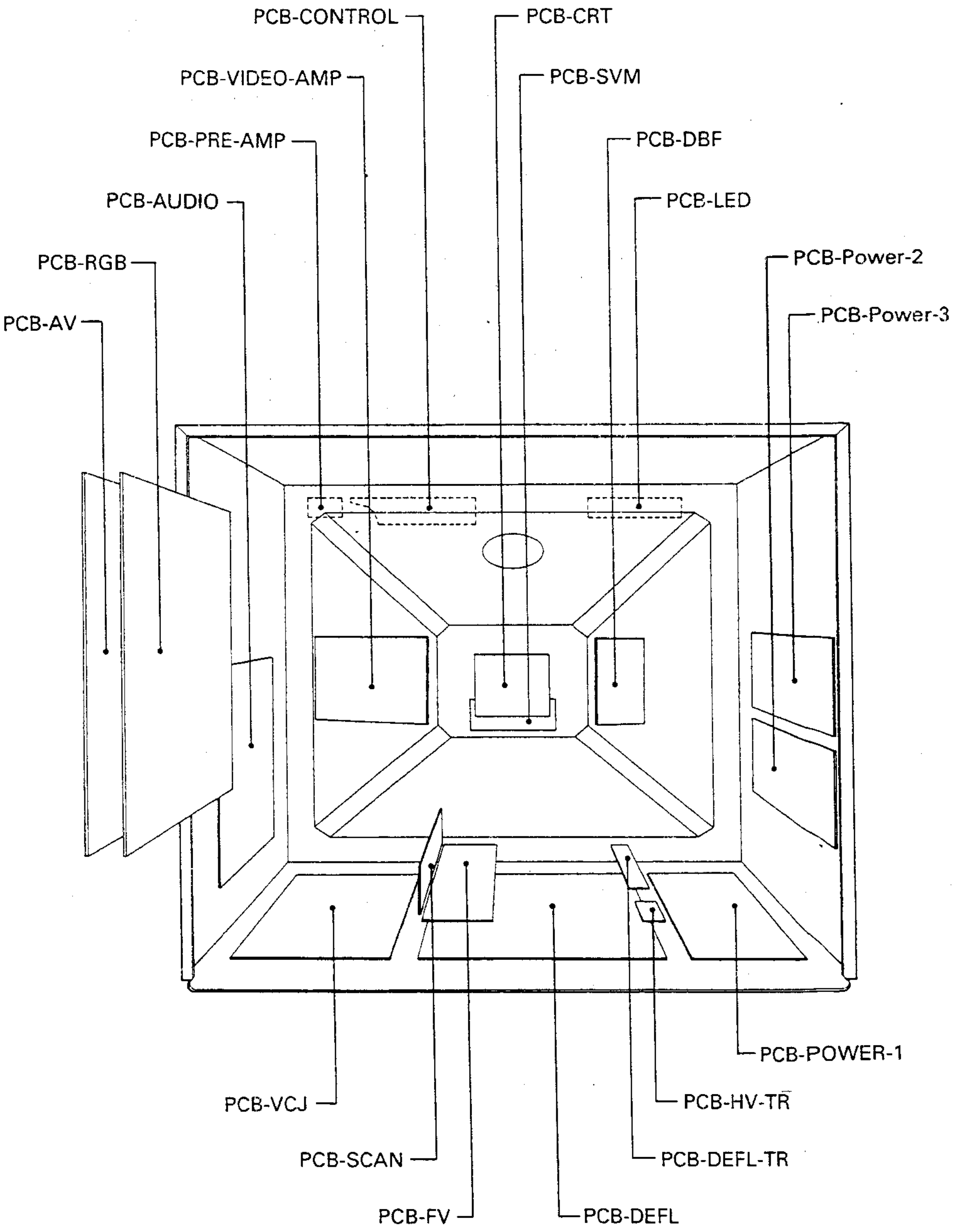
PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in colour monitors have special safety related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this service manual. Electrical components having such features are identified by shading on the schematic diagram and the parts list of this service manual and by marking on the supplementary sheet for this chassis to be issued subsequently. Therefore replacements for any safety parts should be identical in value and characteristics.

DISASSEMBLY PROCEDURES

REMOVAL OF PCB

- AUDIO-PCB
- VIDEO-AMP-PCB
- CRT-PCB
- RGB & AV-PCB
- POWER-PCB
- DEFL-PCB
- DEFL-PCB
  (HV-TR-PCB)
  (DEFL-TR-PCB)
  (FV-PCB)
- SCAN-PCB
- VCJ-PCB


PCB-CONTROL
PCB-CRT
PCB-VIDEO-AMP
PCB-SVM
PCB-PRE-AMP
PCB-DBF
PCB-AUDIO
PCB-LED
PCB-RGB
PCB-Power-2
PCB-AV
PCB-Power-3
PCB-POWER-1
PCB-VCJ
PCB-HV-TR
PCB-SCAN
PCB-DEFL-TR
PCB-FV
PCB-DEFL

PICTURE TUBE REPLACEMENT

GENERAL

In some instances, after picture tube replacement, Purity and Convergence may require adjustment. If it is required, follow the procedure described in the alignment section of this manual.

CAUTION: Safety goggles must be worn at all times when handling the picture tube.

CAUTION: The picture tube is extremely sensitive to mechanical shock, therefore care must be taken at all times when handling the picture tube.

SUGGESTED TOOLS AND JIGS

The following tools and jigs are useful for replacement and final adjustment of the picture tube, and are available through the National Parts Department.

1(a). T TYPE BOX DRIVER #859C35802 (Fig. 1(a))

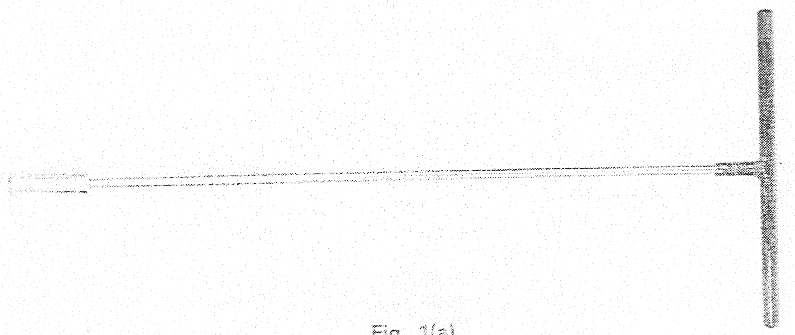


Fig. 1(a)

1(b). HEX DRIVER KIT-Part #859C35800 (Fig. 1(b))

- 1 – Hex Driver
- 1 – Hex Bit #1 (13m/m)
  Used for securing the picture tube mounting nuts and adjusting the CRT Jack.
- 1 – Hex Bit #2 (7m/m)
  Used to remove screw securing the Shield Cover, Power Transformer and POWER PCB mounting nuts.
- 1 – Hex Bit #3 (8m/m)
  Used for securing the picture tube mounting nuts
  (For CTV set smaller 35" exclusive in size only)
- 1 – PHILIPS and flat blade bit.
- 1 – Wrench

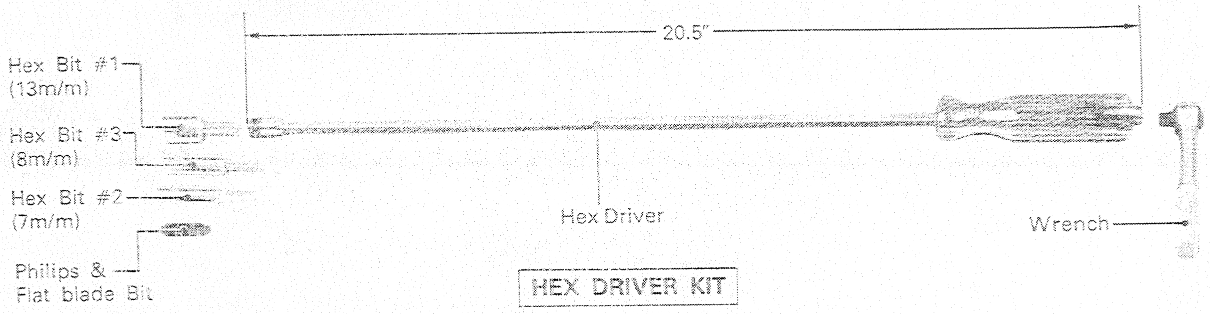


Fig. 1(b)

2. CRT-Jack-Part #859C35801 (Fig. 2)
   Capable of supporting the picture tube and adjusting its position in the cabinet.

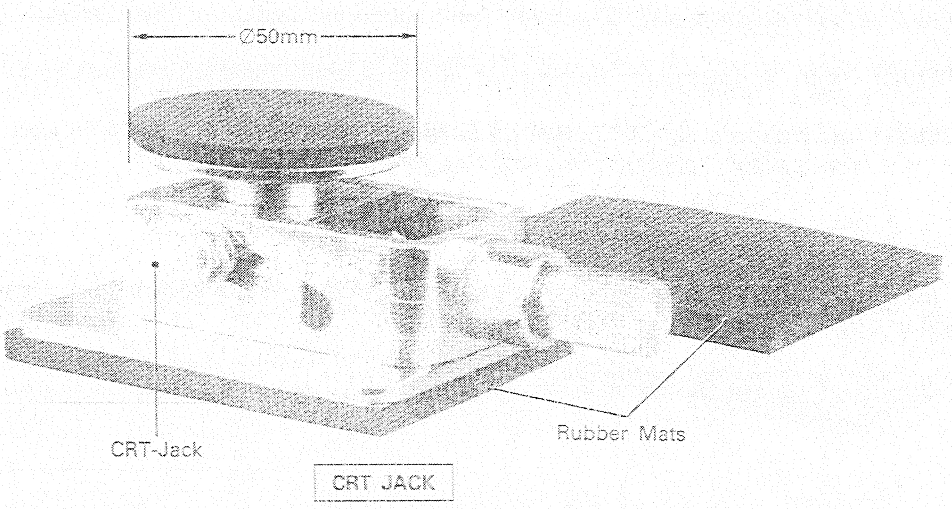

∅50mm
CRT-Jack
Rubber Mats
CRT JACK

Fig. 2

PICTURE TUBE REMOVAL PROCEDURE

1. Remove the 20 back screws and remove the Cabinet Back.

2. Carefully pierce the silicon adhesive at the outer edge of the second anode cover (Fig. 3) and discharge the picture tube to the CRT Sheild.

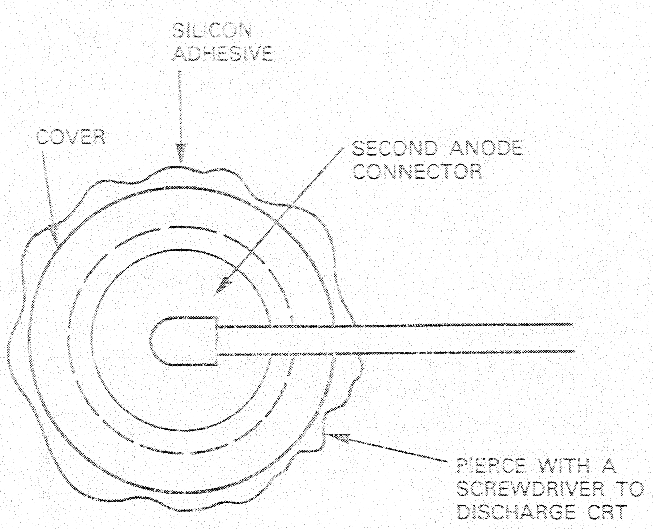

SILICON
ADHESIVE
COVER
SECOND ANODE
CONNECTOR
PIERCE WITH A
SCREWDRIVER TO
DISCHARGE CRT

Fig. 3

3. Use a thin blade tool to carefully cut the silicon adhesive around the outer perimeter of the second anode connector cover and the surface of the CRT.

4. Peel the cover free of the CRT and the second anode connector. Remove any residual silicon adhesive between the second anode connector insulation and the CRT.

5. Disconnect the second anode connector from the CRT.

6. Remove Printed Circuit Boards, SPEAKERS and Transformer.

7. Remove the 4 (7mm) Hex nuts securing the SHIELD-COVER and remove the SHIELD-COVER from the cabinet. (Fig. 4)

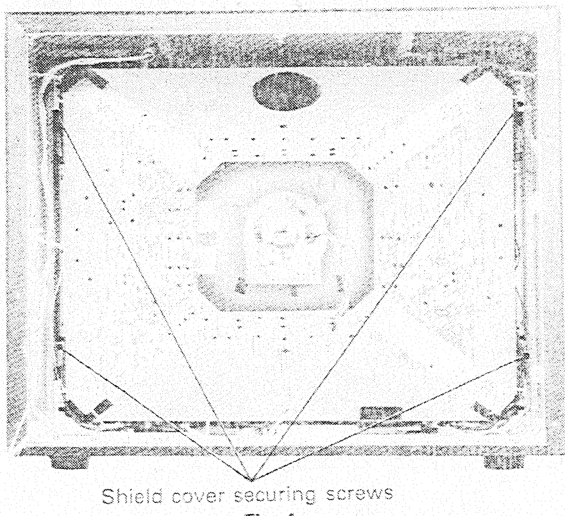

Shield cover securing screws

Fig. 4

8. Remove the 17 screws securing the FRONT-MASK and remove the FRONT-MASK. (Fig. 5)

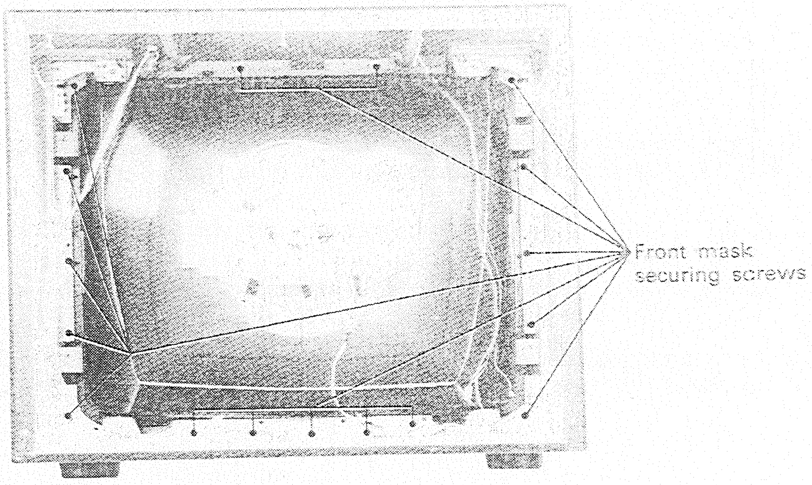

Front mask
securing screws

Fig. 5

9. Remove the single mounting screw from each CRT-HOLDER (L & R), but leave the Holders L & R in place. (Fig. 6)

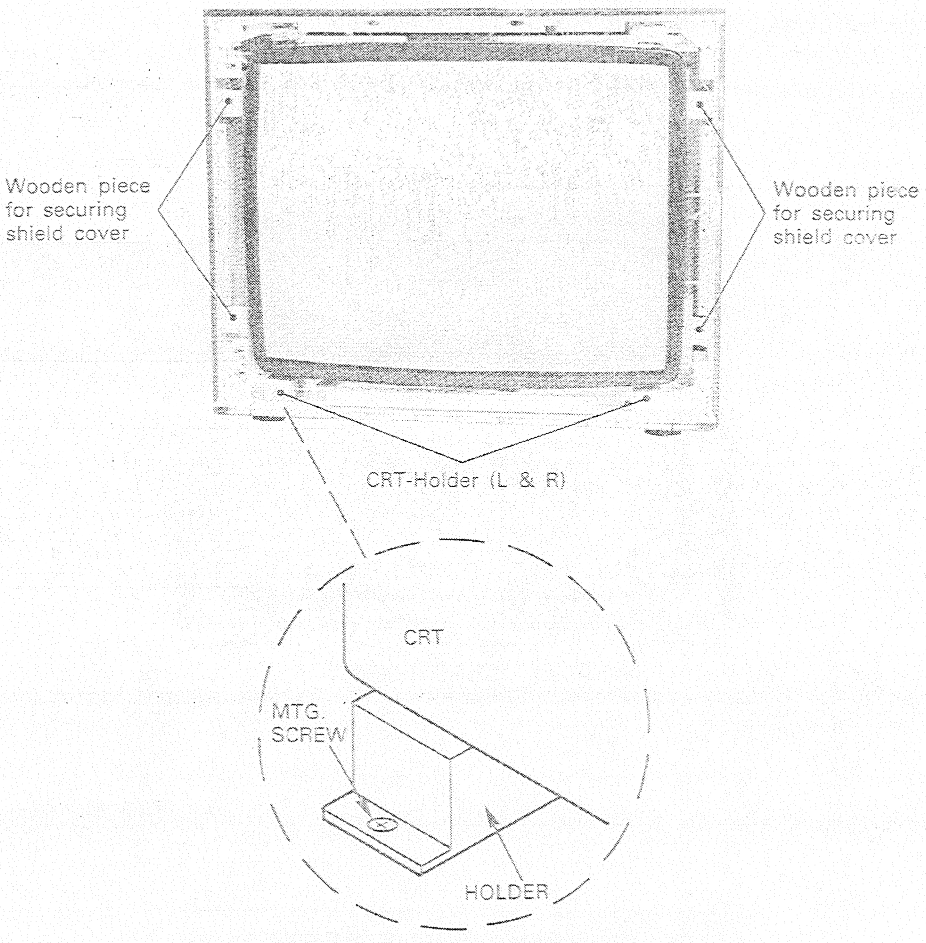

Wooden piece for securing shield cover
Wooden piece for securing shield cover
CRT-Holder (L & R)
CRT
MTG. SCREW
HOLDER

Fig. 6

10. Place a thick cushion or slab of foam rubber on the floor and carefully lie the TV set on its face, taking care not to strike or scratch the face of the picture tube.

11. Remove the 4 picture tube mounting hex nuts and washers. (Fig. 7).

12. Lift the cabinet from the picture tube. The CRT-HOLDERS (L & R) will fall free when the cabinet is removed. Be sure to lift the cabinet high enough to clear the neck of the CRT.

    Note: If the mounting screws have not been removed from the two CRT-HOLDERS, the cabinet cannot be removed from the CRT.

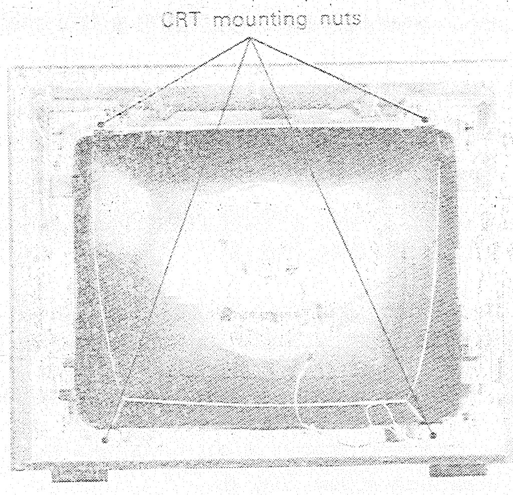

CRT mounting nuts

Fig. 7

13. Remove the CRT mounting screw and the two philips head screws from each LUG-HOLDER, then remove all four LUG-HOLDERS. (Fig. 8).

14. Remove the CRT grounding wire.

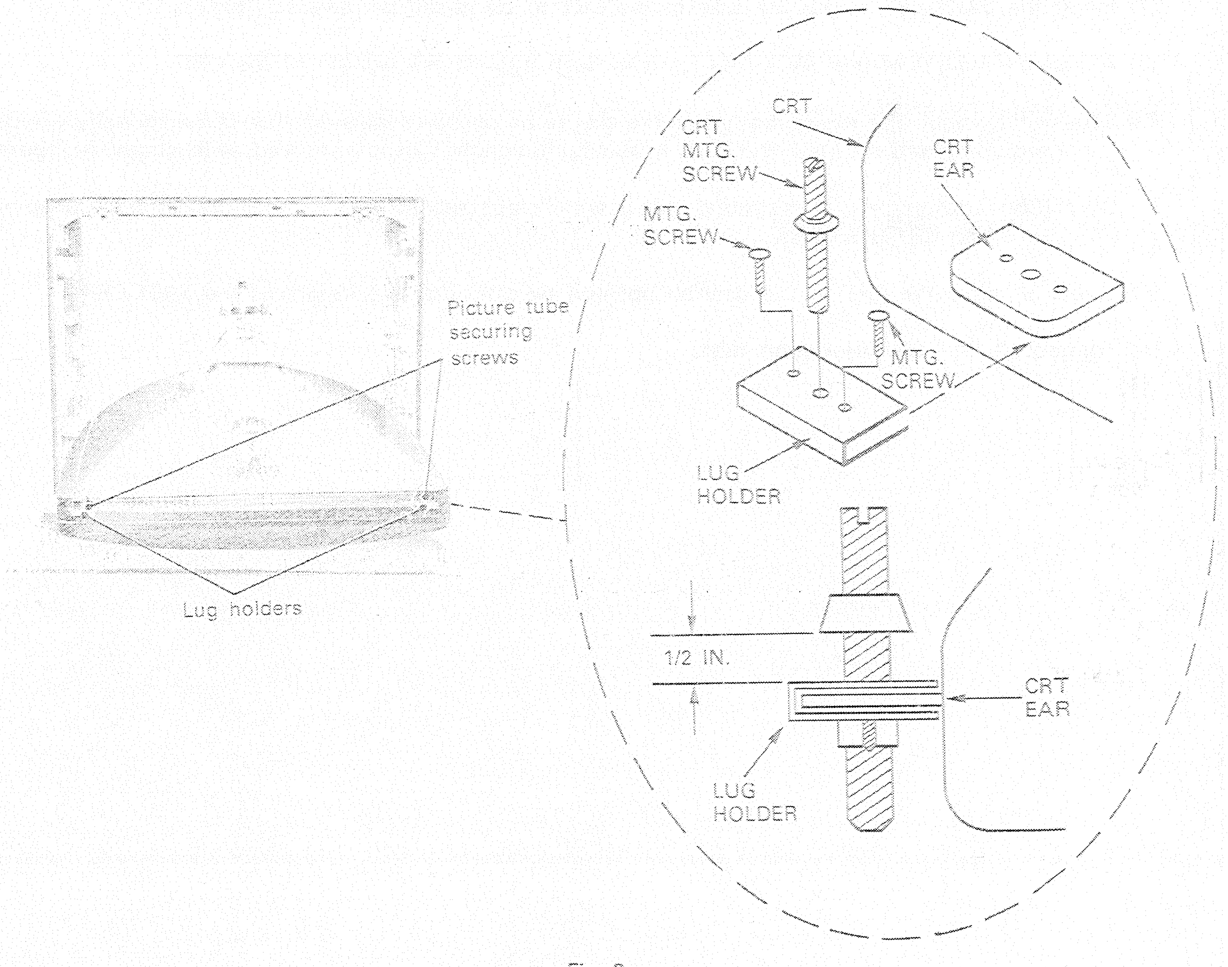

Picture tube
securing
screws
Lug holders
CRT
CRT
MTG.
SCREW
MTG.
SCREW
CRT
EAR
MTG.
SCREW
LUG
HOLDER
1/2 IN.
CRT
EAR
LUG
HOLDER

Fig. 8

PICTURE TUBE INSTALLATION PROCEDURE

1. Place a cushion on the floor and carefully lie the replacement CRT face down on the cushion.
2. Install the CRT ground wire.
3. Install a LUG-HOLDER on each of the CRT Ears, and secure each with the two Philips mounting screw. (Fig. 8)
4. Manually start a CRT mounting screw in each LUG-HOLDER, leave approximately 1/2 inch between the bushing on the screw and the LUG-HOLDER. (Fig. 8)
5. Place the cabinet over the picture tube and position it so the distance between the CRT and cabinet is equal on both sides and so the CRT is as far as possible toward the top of the cabinet.
6. Secure the CRT to the cabinet with the 4 CRT mounting washers and hex nuts. (Fig. 7)
7. Turn the TV upright, slide the CRT-HOLDERS (L & R) under the front of the CRT and secure both CRT-HOLDERs with a Philips mounting screw. (Fig. 6).

   Note: If the CRT is sitting too low to insert the CRT-HOLDERS, raise the CRT by the procedure described in Step 8.

8. Check that the picture tube is seated securely in the HOLDERS (L & R). If required lower or raise the CRT by the following procedure:

   (1) Insert the JACK-CRT under the side of the CRT to be raised or lowered. (Fig. 9)

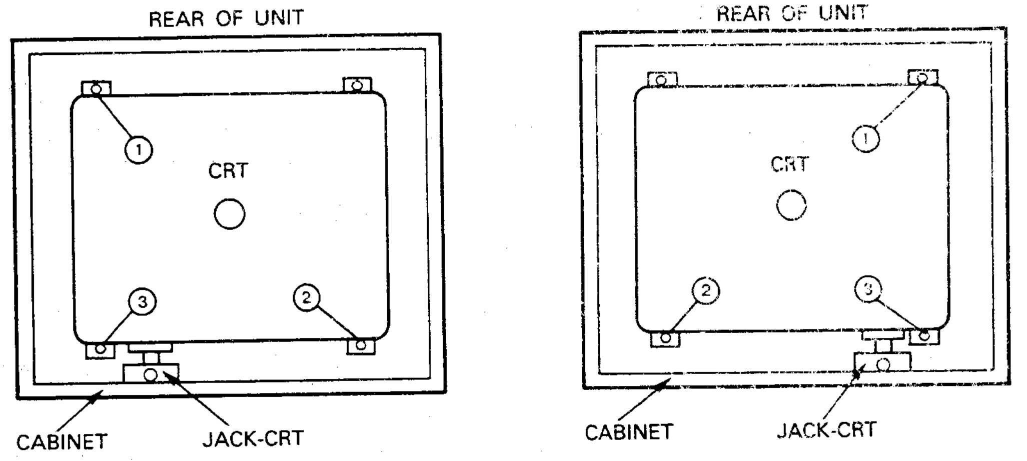
   (2) Adjust the height of the JACK-CRT so it is flush against the bottom of the CRT.

   (3) Loosen the upper CRT mounting nut on the side to be raised or lowered, then the diagonally opposite lower mounting nut, and lastly the lower mounting nut on the side to be moved, as illustrated in Figure 9.

   CAUTION: Loosen the CRT mounting nuts in small steps only so the CRT does not suddenly drop onto the CRT-HOLDERS.

   (4) Lower or raise the CRT to the desired position by adjusting the height of the JACK-CRT.

   (5) Tighten all four CRT mounting nuts.



LOWERING OR RAISING LEFT SIDE OF CRT **LOWERING OR RAISING RIGHT SIDE OF CRT**

Fig. 9

9. Temporarily insert the FRONT-MASK in the cabinet and check that no space exists between the picture tube and the mask, or between the mask and the cabinet. If no space exists proceed to step 11. if a space does exist proceed to Step 10.

10. Adjust the 4 CRT adjustment screws (Fig. 7) with a flat blade screwdriver to vary the front to rear position of the CRT to eliminate any gaps between the CRT and mask, or mask and cabinet. (Rotate the CRT screw clockwise to move the picture tube toward the front of the cabinet and Counter Clockwise to move it toward the rear).

11. When the CRT position is correct, securely tighten the 4 CRT mounting nuts. (Fig. 7)

12. Install and tighten the 17 FRONT-MASK mounting screws. (Fig. 5)

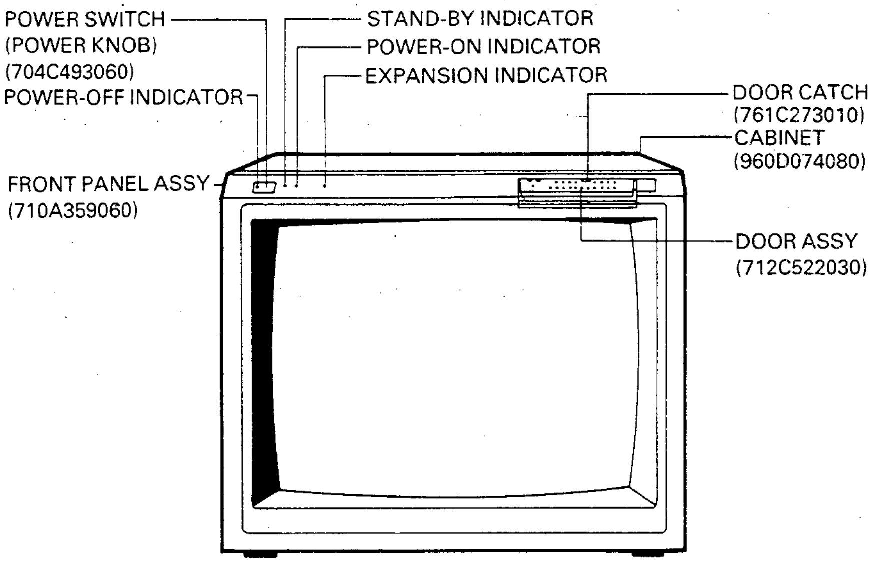
13. Reinstall the SHIELD-COVER. (Fig. 4)

14. Install Printed Circuit Boards, Speakers and Transformer.

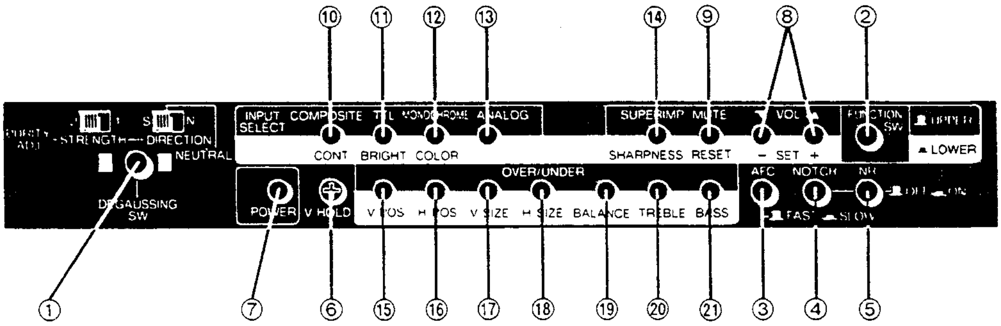
15. Connect the second anode connector to the picture tube.

16. Apply silicon compound to the surface of the CRT around the second anode connector insulation and then press the second anode cover in place.

CONTROL AND CABINET PARTS


POWER SWITCH
(POWER KNOB)
(704C493060)
POWER-OFF INDICATOR
STAND-BY INDICATOR
POWER-ON INDICATOR
EXPANSION INDICATOR
DOOR CATCH
(761C273010)
CABINET
(960D074080)
FRONT PANEL ASSY
(710A359060)
DOOR ASSY
(712C522030)

INSIDE OF FRONT DOOR


⑩
⑪
⑫
⑬
⑭
⑨
⑧
②
PURITY ADJ
STRENGTH
DIRECTION
NEUTRAL
DEGAUSSING SW
INPUT SELECT
COMPOSITE
TTL
MONOCHROME
ANALOG
CONT
BRIGHT
COLOR
SUPERIMP
MUTE
SHARPNESS
RESET
VOL
– SET +
FUNCTION SW
UPPER
LOWER
OVER/UNDER
POWER
V HOLD
V POS
H POS
V SIZE
H SIZE
BALANCE
TREBLE
BASS
AFC
NOTCH
NR
OFF
ON
FAST
SLOW
①
⑦
⑥
⑮
⑯
⑰
⑱
⑲
⑳
㉑
③
④
⑤

① DEGAUSSING SWITCH

② FUNCTION SWITCH

③ AFC SWITCH

④ NOTCH SWITCH

⑤ NR SWITCH

⑥ V-HOLD CONTROL

⑦ POWER ON/OFF BUTTON AND MAIN SWITCH

⑧ VOL △ ▽ BUTTONS

⑨ MUTE BUTTON

⑩ COMPOSITE BUTTON

⑪ TTL BUTTON

⑫ MONOCHROME BUTTON

⑬ ANALOGUE BUTTON

⑭ SUPER IMPOSE BUTTON

⑮ VERTICAL POSITION

⑯ HORIZONTAL POSITION

⑰ VERTICAL SIZE

⑱ HORIZONTAL SIZE

⑲ BALANCE BUTTON

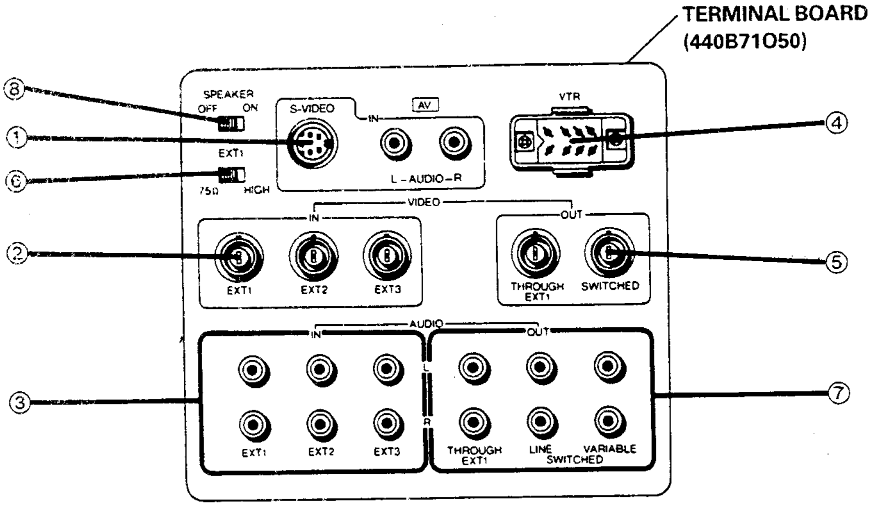
⑳ TREBLE BUTTON

㉑ BASS BUTTON

Fig. 10 Control and Cabinet Parts

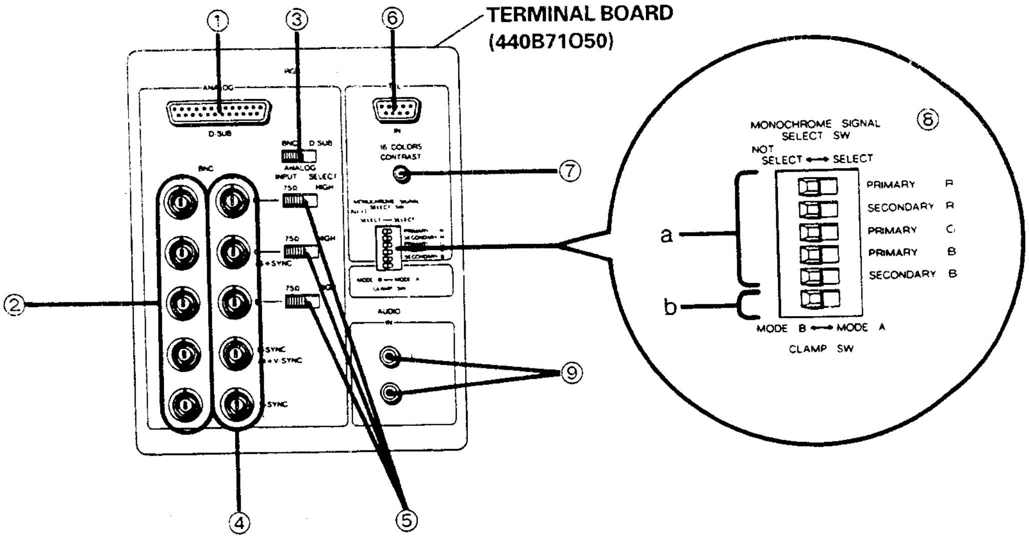
Rear View

COMPOSITE VIDEO TERMINALS PAL


TERMINAL BOARD
(440B71050)
SPEAKER
OFF ON
EXT1
75Ω HIGH
S-VIDEO
IN
AV
L - AUDIO - R
VTR
VIDEO
IN
OUT
EXT1
EXT2
EXT3
THROUGH EXT1
SWITCHED
AUDIO
IN
OUT
L
R
EXT1
EXT2
EXT3
THROUGH EXT1
LINE
VARIABLE
SWITCHED
①
②
③
④
⑤
⑥
⑦
⑧

① S-VIDEO INPUT TERMINAL
② VIDEO INPUT TERMINALS
③ AUDIO INPUT TERMINALS
④ VTR INPUT/OUTPUT TERMINALS
⑤ VIDEO OUTPUT TERMINALS
⑥ IMPEDANCE SELECTOR
⑦ AUDIO OUTPUT TERMINALS (RCA-TYPE)
⑧ SPEAKER SWTICH

RGB VIDEO TERMINALS


TERMINAL BOARD
(440B71050)
ANALOG
D-SUB
BNC
BNC D SUB
ANALOG INPUT SELECT
75Ω HIGH
IN
16 COLORS CONTRAST
AUDIO
IN
MONOCHROME SIGNAL SELECT SW
NOT SELECT ↔ SELECT
PRIMARY R
SECONDARY R
PRIMARY G
PRIMARY B
SECONDARY B
MODE B ↔ MODE A
CLAMP SW
a
b
①
②
③
④
⑤
⑥
⑦
⑧
⑨

① ANALOGUE INPUT TERMINAL (D-SUB 25-pin)
② ANALOGUE INPUT TERMINAL (BNC)
③ ANALOGUE INPUT SELECTOR
④ RGB OUTPUT TERMINALS (BNC)
⑤ IMPEDANCE SELCTOR
⑥ TTL INPUT TERMINAL (D-SUB 9-pin)
⑦ 16-COLOUR CONTRAST KNOB
⑧ DIP SWITCH
  a) MONOCHROME SIGNAL SELECT SWITCH (Bit 1~5)
  b) RGB SIGNAL CLAMP SWITCH (Bit 6)
⑨ **RGB AUDIO INPUTS**

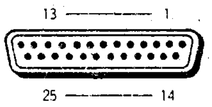
[1. COMPOSITE VIDEO SIGNAL]

① 4-Video Input

a. INPUT LEVEL······IVp-p
b. INPUT IMPEDANCE······75Ω
c. SIGNAL POLALITY······POSITIVE

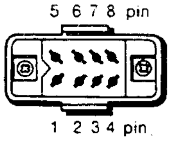
The impedance of EXT-1 can be selected between 75Ω and HI.

3-CONNECTOR
BNC TYPE
(EXT-1,EXT-2,
EXT-3)



1-CONNECTORS
D-SUB 25-pin
SIGNAL......No.11
GROUND......No.12

② 1-VTR INPUT/OUTPUT



CONNECTOR
EIAJ 8-pin

EIAJ 8 Pin Assignments and Signal Levels

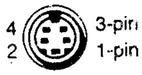
Pin-Assignment	Signal
1	Audio Input (0.4Vrms 47kΩ)
2	Video Input (1Vp-p 75Ω)
3	Video Output Ground
4	Video Output (1Vp-p 75Ω Switched Out
5	Audio Input Ground
6	Video Input Ground
7	Audio Output Ground
8	Audio Output (0.4Vrms 4.7kΩ Line out, Switched out)

③ 5-AUDIO (L/R) INPUTS

a) INPUT LEVEL······0.4Vrms
b) INPUT IMPEDANCE······47kΩ

5-CONNECTOR
RCA TYPE
(EXT-1, EXT-2, EXT-3,
S-VIDEO, RGB)

④ S-VHS INPUT



1-CONNECTOR
DIN-4-pin

Pin-Assignment	Signal
1	Y Signal Input Ground
2	C Signal Input Ground
3	Y Signal Input (1Vp-p 75Ω) Sync. Negative
4	C Signal Input (Burst 0.286Vp-p 75Ω)

⑤ 3-VIDEO OUTPUTS

a) OUTPUT LEVEL……IVp-p
b) OUTPUT IMPEDANCE……75Ω
c) SIGNAL POLARITY……POSITIVE

2-CONNECTOR
BNC-TYPE
(THROUGH EXT1
SWITCHED)

1-CONNECTOR
D-SUB 25-pin
SIGNAL……No.11
GROUND……No.12

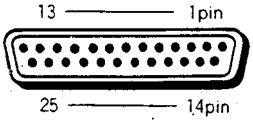
⑥ 3-AUDIO (L/R) OUTPUT

a) OUTPUT LEVEL……0.4Vrms
b) OUTPUT IMPEDANCE……4.7kΩ
(EXCEPT
THROUGH EXT-1)

3-CONNECTOR
RCA TYPE
(THROUGH EXT-1
SWITCHED VARIABLE OUT
SWITCHED LINE OUT)

[2. RGB ANALOGUE SIGNAL]

D-Sub 25 Pin assignment and signal levels



○ For the mark ×, connect these pins of the 25-pin.
○ For the mark ※, make a short circuit.

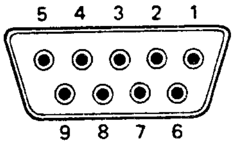
Typical connecting example								Pin No.	Signal	Specification
A	B	C	D	E	F	G	H			
×	×		×				×	1	Sync. GND	
×	×	×	×	×				2	Red video	0.6 Vp-p 75 ohm Positive
×	×	×	×	×				3	Red video GND	
×	×	×	×	×				4	Green video/ Green+Sync. Video	0.6 Vp-p 75 ohm Positive
×	×	×	×	×				5	Green video GND	
			×					6	Super impose control	Low:0~1.2V Composite video High:1.8V~3.0V RGB Analog 75 ohm High speed switching
			×					7	Super impose GND	
			×	※	※			8	Video input select (AV Control input)	Low or open : EXT Input video (EXT 1,2,3, VTR, S-VHS) High: #9 video 47Kohm
			×	×	×			9	Comp Video in/ Analogue Sync. in	1.0 Vp-p 75 ohm Sync. Negative
			×	×	×			10	Comp Video GND/ Analogue Sync. GND	
			×			×		11	Comp Video out	1.0 Vp-p 75 ohm Sync. Negative
			×			×		12	Comp Video GND	
	×							13	PGA mode control	Low :400 lines, High or open : 480 lines
×	×	×	×	×				14	Blue video	0.6 Vp-p 75 ohm Positive
×	×	×	×	×				15	Blue video GND	
×	×		×					16	Horizontal Sync./ Horizontal + Vertical Sync.	TTL level
×			×					17	Vertical Sync.	TTL level
							×	18	TTL colour select	Low: TTL memorized mode High or open: TTL Auto Mode
			×					19	YM input signal (Contrast sw)	Low: 0~0.4V Normal High: 1~3V −6dB 75 ohm High speed switching
							×	20	TTL/Monochrome Select	Low: Monochrome, High or open: TTL
				※	※			21	INT	+5V
							×	22	Comp/RGB select	Low: RGB, High or open: composite
							×	23	Analogue/TTL select	Low: TTL, High or open: Analogue
							×	24	Remote	Low: Mode switch is invalid
×	×	×	×	×	×	×	×	25	GND (shield)	

TYPICAL CONNECTION EXAMPLES A– H are

A) To a personal computer with RGB analogue output.
B) To an IBM® PC/AT using a PGA board.
C) To equipment with sync. on-green output.
D) To a personal computer with superimposition capability.
E) To equipment with H + V sync. output (0.3 Vp-p ~ 1 Vp-p).
F) As a video input terminal.
G) As a video input terminal.
H) For wired remote operation.

[3. RGB TTL SIGNAL (D-SUB 9-pin)]

D-SUB 9-pin assignment and signal levels



Connector
D-Sub 9-pin

D-Sub 9pin Assignments and Signal Levels

	COLOUR GRAPHICS TTL 8 COLOURS	
	Input signal	Polarity
1	GND	
2	Not in use	
3	Red video	TTL positive
4	Green video	TTL positive
5	Blue video	TTL positive
6	Not in use	
7	Not in use	
8	H-sync./H + V-sync.	TTL positive/negative
9	V-sync.	TTL positive/negative

	COLOUR GRAPHICS TTL 16 COLOURS	
	Input signal	Polarity
1	GND	
2	Not in use	
3	Red video	TTL positive
4	Green video	TTL positive
5	Blue video	TTL positive
6	Intensity	TTL positive
7	Not in use	
8	H-sync./H + V-sync.	TTL positive/negative
9	V-sync.	TTL positive/negative

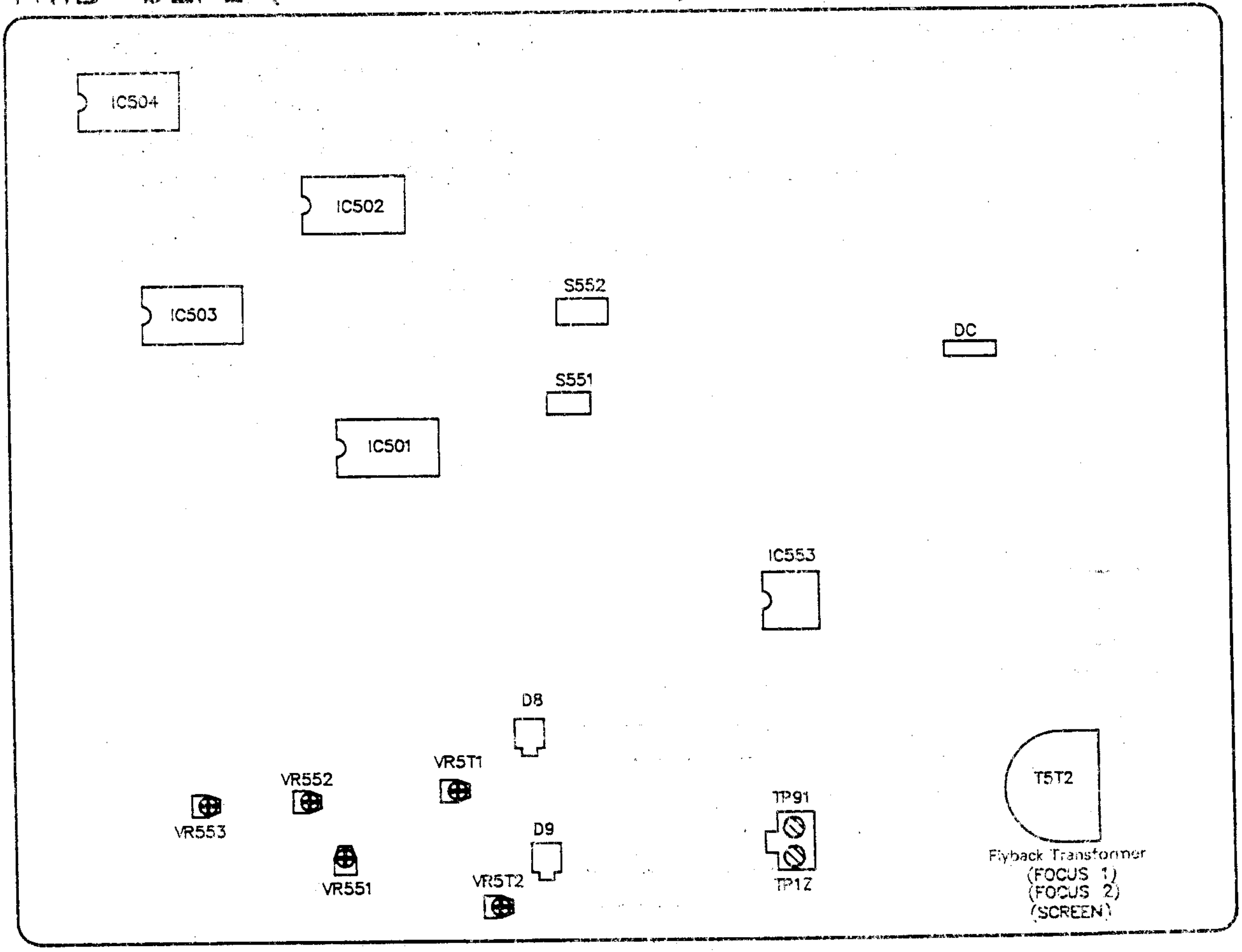
	ENHANCED GRAPHICS TTL 64/16 COLOURS	
	Input signal	Polarity
1	GND	
2	Secondary Red video	TTL positive
3	Primary Red video	TTL positive
4	Primary Green video	TTL positive
5	Primary Blue video	TTL positive
6	Secondary Green video/Intensity	TTL positive
7	Secondary Blue video	TTL positive
8	H-sync./H + V-sync.	TTL positive/negative
9	V-sync.	TTL positive/negative

16/64 COLOUR DISPLAY IN THE TTL AUTO MODE		
H-sync.	V-sync.	16/64 Colours
Positive	Positive	16 Colour
Positive	Negative	64 Colour
Negative	Negative	16 Colour

	MONOCHROME	
	Input signal	Polarity
1	GND	
2	Video-2 ※	TTL positive
3	Video-1 ※	TTL positive
4	Video-3 ※	TTL positive
5	Video-4 ※	TTL positive
6	High intensity	TTL positive
7	Video-5 ※	TTL positive
8	H-sync./H + V-sync.	TTL positive/negative
9	V-sync.	TTL positive/negative

The input signals signified by ※ can be selected by using the "MONOCHROME SIGNAL SELECT SWITCH".
See page 28, 29.

PWB-DEFL (COMPONENT SIDE)


IC504
IC502
IC503
S552
DC
S551
IC501
IC553
D8
VR5T1
VR552
VR553
VR551
D9
VR5T2
TP91
TP1Z
T5T2
Flyback Transformer
(FOCUS 1)
(FOCUS 2)
(SCREEN)

PWB-RGB (COMPONENT SIDE)

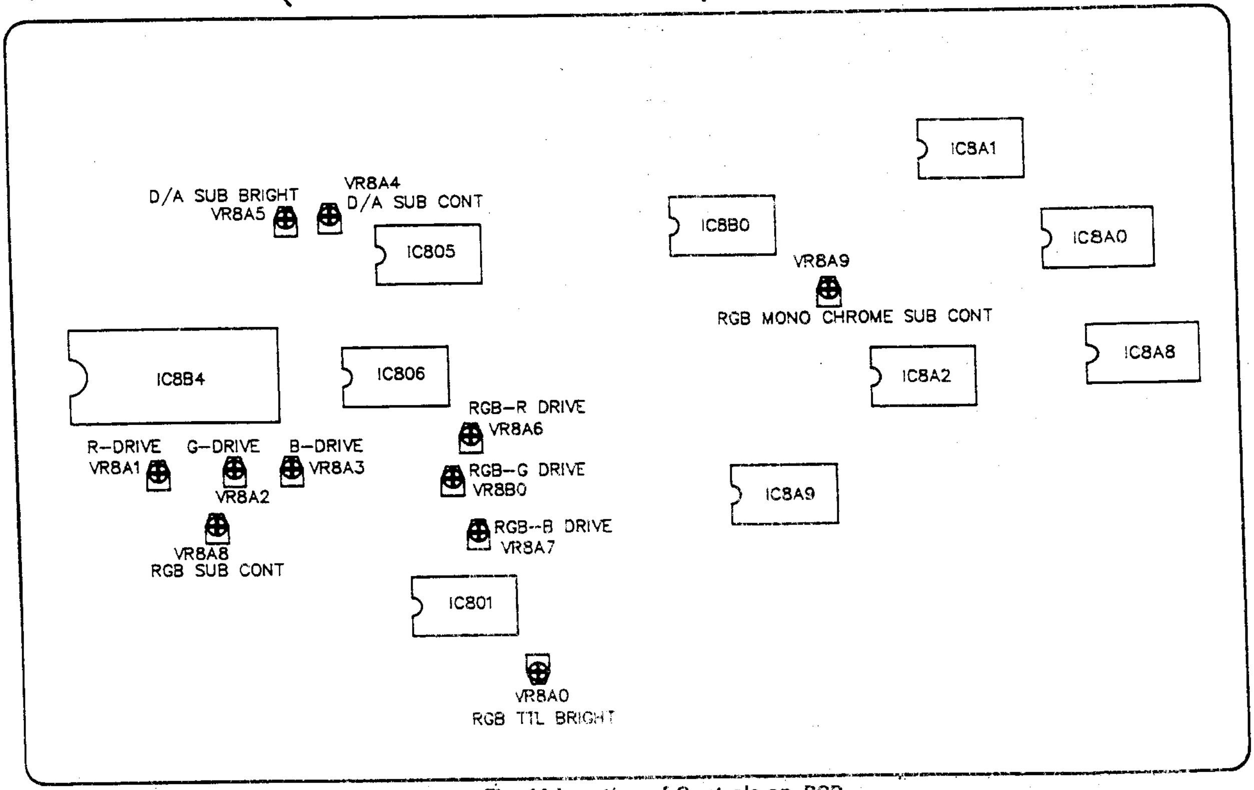
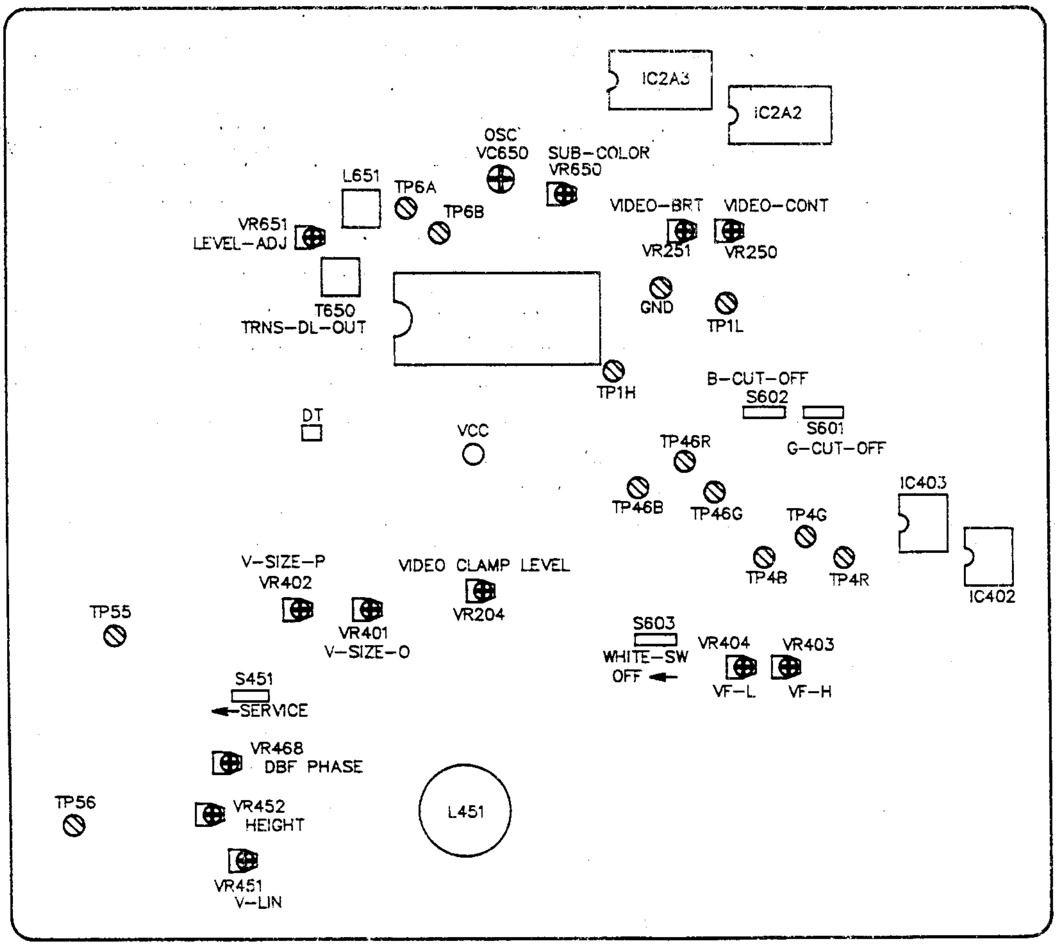
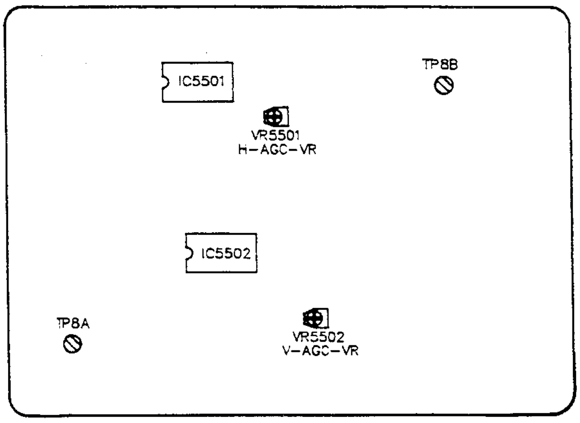

IC8A1
D/A SUB BRIGHT
VR8A5
VR8A4
D/A SUB CONT
IC805
IC8B0
IC8A0
VR8A9
RGB MONO CHROME SUB CONT
IC8B4
IC806
IC8A2
IC8A8
RGB-R DRIVE
VR8A6
R-DRIVE
VR8A1
G-DRIVE
VR8A2
B-DRIVE
VR8A3
RGB-G DRIVE
VR8B0
IC8A9
VR8A8
RGB SUB CONT
RGB--B DRIVE
VR8A7
IC801
VR8A0
RGB TTL BRIGHT

Fig. 11 Location of Controls on PCB.

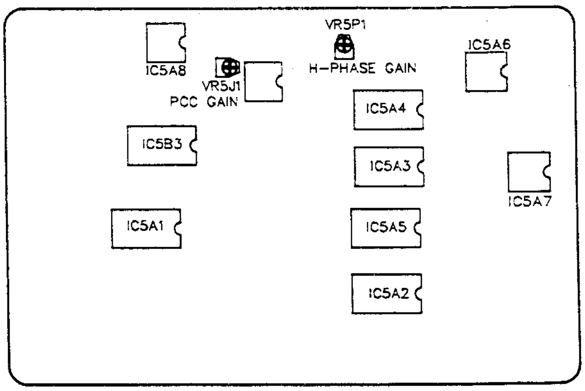
PCB−VCJ (COMPONENT SIDE)


IC2A3
IC2A2
OSC
VC650
SUB−COLOR
VR650
L651
TP6A
TP6B
VR651
LEVEL−ADJ
VIDEO−BRT
VIDEO−CONT
VR251
VR250
T650
TRNS−DL−OUT
GND
TP1L
TP1H
B−CUT−OFF
S602
S601
G−CUT−OFF
DT
VCC
TP46R
TP46B
TP46G
IC403
TP4G
TP4B
TP4R
IC402
V−SIZE−P
VR402
VIDEO CLAMP LEVEL
VR204
TP55
VR401
V−SIZE−O
S603
WHITE−SW
OFF
VR404
VR403
VF−L
VF−H
S451
SERVICE
VR468
DBF PHASE
TP56
VR452
HEIGHT
L451
VR451
V−LIN

PWB−DBF
(COMPONENT SIDE)


IC5501
TP8B
VR5501
H−AGC−VR
IC5502
TP8A
VR5502
V−AGC−VR

PWB−FV
(COMPONENT SIDE)


VR5P1
IC5A8
H−PHASE GAIN
IC5A6
VR5J1
PCC GAIN
IC5A4
IC5B3
IC5A3
IC5A7
IC5A1
IC5A5
IC5A2

PCB−SCAN
(COMPONENT SIDE)

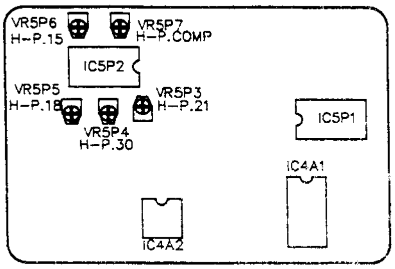

VR5P6
H−P.15
VR5P7
H−P.COMP
IC5P2
VR5P5
H−P.18
VR5P3
H−P.21
VR5P4
H−P.30
IC5P1
IC4A1
IC4A2

Fig. 12 Location of Controls on PCB

Before adjusting INTEGRATED TUBE COMPONENT activate CRT for more than an hour with monochrome signai applied to make the normal beam current flow, and degaussed sufficiently not only the front and behind of CRT but external magnetic shield and CRT holder, etc.
(Insufficient degaussing causes magnetization, giving an unfavourable affect on colour purity adjustment.)

PURITY AND CONVERGENCE

GENERAL

Purity and Convergence adjustment should be performed in the following sequence when replaching either the picture-tube, Deflection-yoke, or Purity Convergence magnetic assembly.

Note 1 : The picture tube provided for service is supplied in the form of assembly with Picture tube, Deflection-yoke and Purity Convergence magnetic assembly.
As a rule, Purity Convergence adjustment has been already preset at factory, so that the regular adjustment only is required.

Note 2 : When replacing either the Deflection-yoke or Purity Convergence magnetic assemmbly, follow procedures (1) through (5).

Note 3 : If purity adjustment only is required, with no components replaced, follow "REGULAR ADJUSTMENT".

Procedure

(1) Remove the deflection yoke and rubber wedges from the picture tube cone with care not to strike or scratch the cone surface.

(2) Clean the remaining cement off the deflection yoke and the surface of the picture tube cone.

(3) Put the deflection yoke on the neck of the picture tube, fully forwrd against cone.

(4) Put the Purity Convergence assembly on the neck of the picture-tube so that the distance between the 6-pole magnet and the base of the tube is 40±1.5 mm (1-9/16 inche) as shown in Fig. 13-1, and tighten screw by hand.

(5) Demagnetize the front and sides of the picture tube with a degaussing coil.

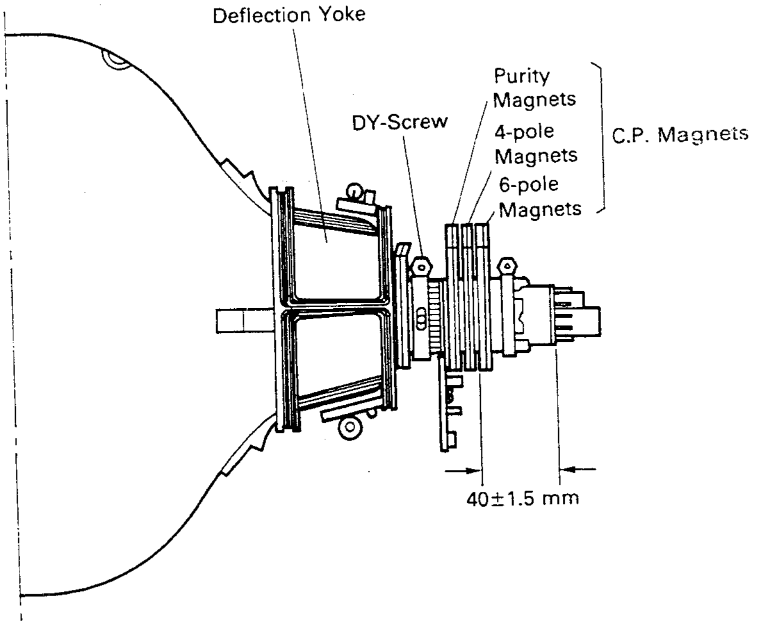


Fig 13-1

Preliminary Adjustment

1. Purity Adjustment

(1) Tune receiver to a monochrome signal. Install the Purity Convergence magnetic assembly to the specified position.

(2) Perfom Purity Ring Adjustment and Deflection Yoke Pull Back adjustment so that the landing in the X axis of the screen shall be optimum.

Note : Before performing Deflection Yoke Pull Back Adjustment make raster position optimum and tighten the deflection yoke fastening screw so loosely so as to be able to insert wedges in the following item (3).

(3) Insert three rubber wedges between the deflection yoke and the funnel so that no space remains. Position the yoke evenly vertically and horizontally.

(4) Screen the Corner Landing Correction

a. Tune receiver to a monochrome signal and short – circuit the base and emitter of each colour output transistor to produce each colour.

b. Produce the primaly colour rasters ; red, green, blue and make sure no contamination is observed for each colour.

c. Observe the corner of the screen. When a contamination is observed , for each colour, make correciton with magnets as shown below.

2. Static Convergence Adjustment

(1) Tune receiver to a crosshatch signal.

(2) Set the BRIGHTNESS control and CONTRAST control in click – stop positions, or in the standard positions.

(3) Adjust the degree of the angle of the 4 – pole magnets and the angular position of them to converge the "B" beam and "R" of the screen. (Refer to Fig. 13 – 4 (b).)

(4) Adjust the degree of the angle between the tabs of the 6 – pole magnets and the angular position of them to converge the "B" beam and "R" to the centre beam "G" at the centre of the screen.(Refer to Fig. 13 – 4 (c).)

(5) If necessary, repeat above steps.

(6) On completing the adjustment, insert the Purity Convergence magnetic assembly and lock with lock paint.

Note :
- * The 4 – pole magnet moves "B" and "R" beams in opposite directions in the same distance.
- * The 6 – pole magnet moves "B" and "R" beams in the same directions in the same distance.
- * The centre beam "G" is not movable by the 4 – pole and the 6 – pole magnet.

Regular Adjustment

1. Purity Adjustment

(1) Tune receiver to a monochrome signal. Install the Purity Convergence magnetic assembly to the specified position.

(2) Perfom Purity Ring Adjustment and Deflection Yoke Pull Back adjustment so that the landing in the X axis of the screen shall be optimum.

Note : Before performing Deflection Yoke Pull Back Adjustment make raster position optimum and tighten the deflection yoke fastening screw so loosely so as to be able to insert wedges in the following item (3).

(3) Insert three rubber wedges between the deflection yoke and the funnel so that no space remains. Position the yoke evenly vertically and horizontally.

(4) Screen Corner Landing Correction

a. Tune receiver to a monochrome signal and short-circuit the base and emitter of each colour output transistor to produce each colour.

b. Produce the primaly colour rasters ; red, green, blue and make sure no contamination is observed for each colour.

c. Observe the corner of the screen. When a contamination is observed, for each colour, make correciton with magnets as shown below.

Correct by sticking magnets on a diagonal line.

* To correct the long side direction (X axis) move the magnets to the direction of 1 in Fig. 13-2.

* To correct the short side direction (Y axis) move the magnets to the direction of 2 in Fig. 13-2.

Note : The magnets should be set apart at least 50mm from the bobbin of the deflection yoke for preventing raster distortion and convergence disruption. (The part number of the magnets : 461D033020)

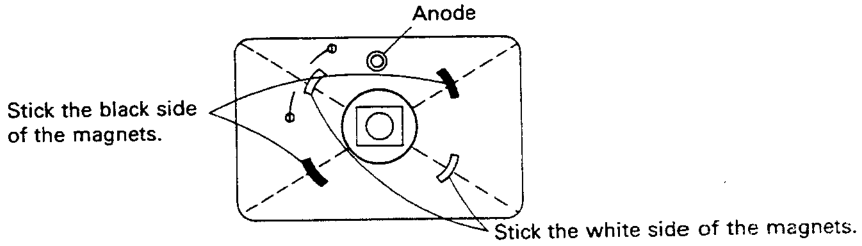

Anode
Stick the black side of the magnets.
Stick the white side of the magnets.

Fig. 13-2 Rear view of CRT

*Fig. 13-3 shows correction when landing deviates outwards. Reverse the magnets if landing deviates inwards.

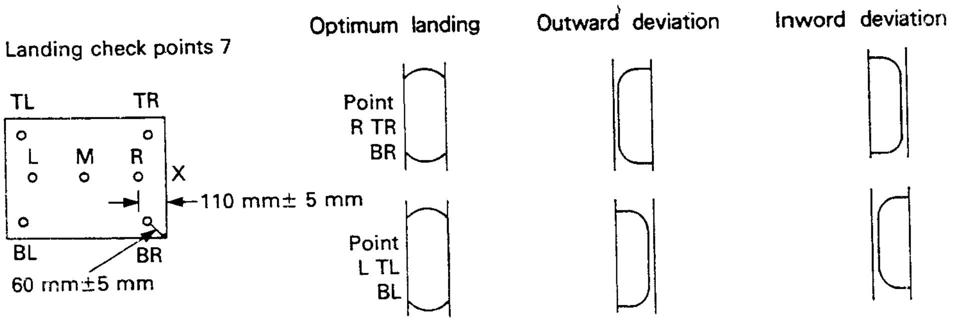

Landing check points 7
TL
TR
L
M
R
X
BL
BR
110 mm± 5 mm
60 mm±5 mm
Optimum landing
Outward deviation
Inword deviation
Point R TR BR
Point L TL BL

Fig. 13-3

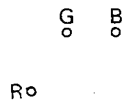
2. Focus Adjustment

(1) Tune receiver into a crosshatch signal or monochrome programme.
(2) Observing around the vertical line, adjust FOCUS – 2control for best overall focus.
(3) Observing the horizontal line, adjust FOCUS – 1 control for best overall focus.
(4) Observing around the vertical line, adjust FOCUS – 2 control for best overall focus.
(5) Observing the horizontal line, adjust FOCUS – 1 control for best overall focus.
(6) If necessary, repeat step (2) through (5).

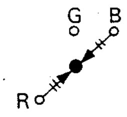
3. Static Convergence Adjustment

(1) Tune the receiver to a crosshatch signal.
(2) Set the BRIGHTNESS control and CONTRAST control in click – stop positions, or in the standard positions.
(3) Adjust the degree of the angle of the 4 – pole magnets and the anguler position of them to converge the "B" beam and "R" of the screen. (Refer to Fig. 13 – 4 (b).)
(4) Adjust the degree of the angle between the tubs of the 6 – pole magnets and the angular position of them to converge the "B" beam and "R" to the centre beam "G" at the centre of the screen.(Refer to Fig. 13 – 4 (c).)
(5) If necessary, repeat above steps.
(6) On completing the adjustment, insert the Purity Convergence magnetic assembly and lock with lock paint.

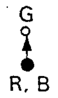
Note : * The 4 – pole magnet moves "B" and "R" beams in opposite directions in the same distance.
* The 6 – pole magnet moves "B" and "R" beams in the same directions in the same distance.
* The centre beam "G" is not movable by the 4 – pole and the 6 – pole magnet.



(a) Before Adjustment



(b) Adjustment by 4 – pole Magnets



(c) Adjustment by 6 – pole Magnets

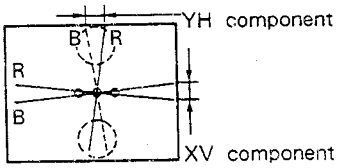
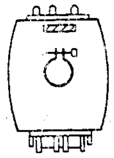
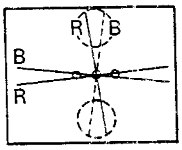
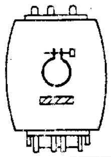
Fig. 13 – 4

4. Overall Convergence Adjustment

This adjustment should be adjusted by the placemevb magnet and not by changing the positon of the deflection yoke.

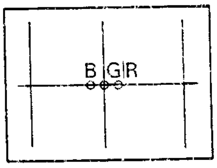
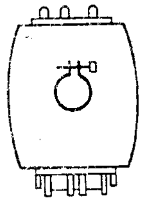
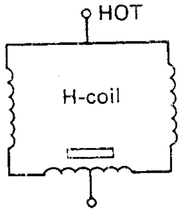
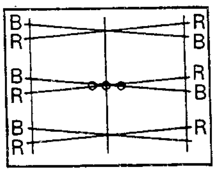
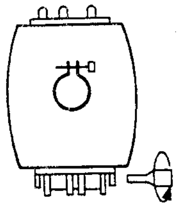
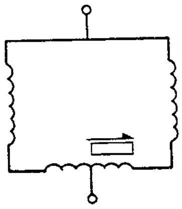
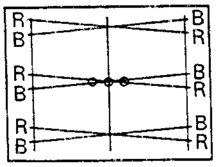
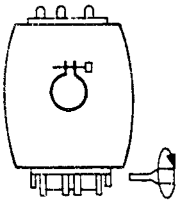
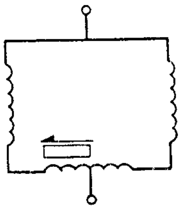
1. Tune the receiver to a crosshatch signal.
2. Set the G-CUT off switch S601 (on VCJ-PCB) to the extreme left position to produee a magent a display.

(1) Adjust Horizontal cross (YH) with the magnets as shown below.
(Part No. of the magnets : 412D023010)

Type of Misconvergence	Sticking Position of Magnet (Deflection Yoke Neck side)
	 magnet
	 magnet

Adjustment by changing the position of the deflection yoke is not preferea as covergence is desrupted by the geomagnetic field when the receiver is moved to other position.

(2) Adjust vertical cross (XV) with a horizontal differential coil as illustrated below.

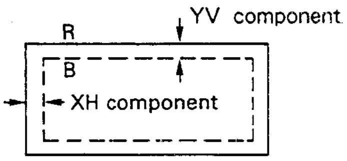
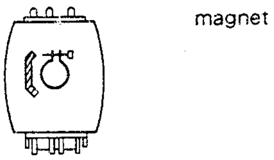
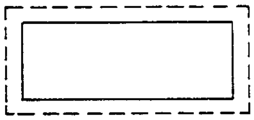
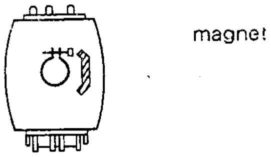
Type of Misconvergence	Core position	Equivalent Circuit
 No axis deviation	 With input	
		
		

(3) Adjust uneven raster sizes (YH and YV) by plate a "C" type magnets to the right or left of the deflection yoke as shown below.

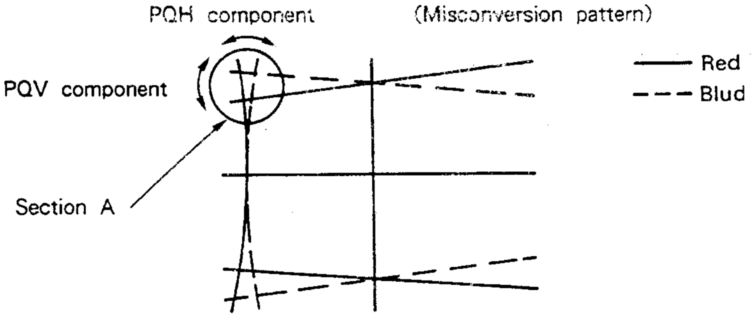
(This adjustment should be performed if the Adjustment by directing the deflection yoke to right or left is not practical.)

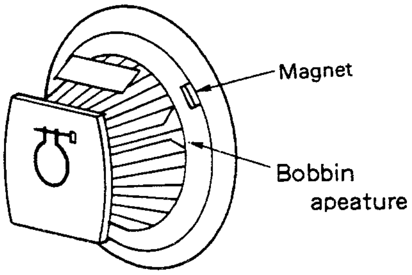
(Part No. of the magnet : 412D024010)

XH and YV adjustment

Type of Misconvergence	Sticking Position of magnet (DY Neck side)
 YV component R B XH component	
	

a. If convergence is poor at corners, place the magnet near to the aperture of the deflection yoke bobbin as shown in Fig. 13 – 5 so that PQH (Pin cushion quality H) and PQV (Pin cushion quality V) components shall be minimized.
To correct the A section of the screen in Fig. 13 – 5, stick a magnets to the position shown in Fig. 13 – 5 below.
(Part No. of magnets : 461D033020)

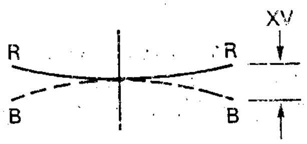

PQH component
(Misconversion pattern)
PQV component
Red
Blud
Section A


Magnet
Bobbin
apeature

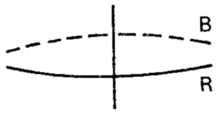
Magnet sticking position (Rear view of deflection yoke).

Fig. 13 – 5

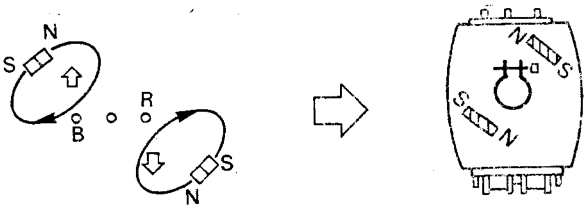
b. To correct a blue - bow caused by gun rotation etc, magnets plate as stated below.



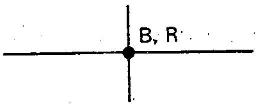
(a) Blue - bow



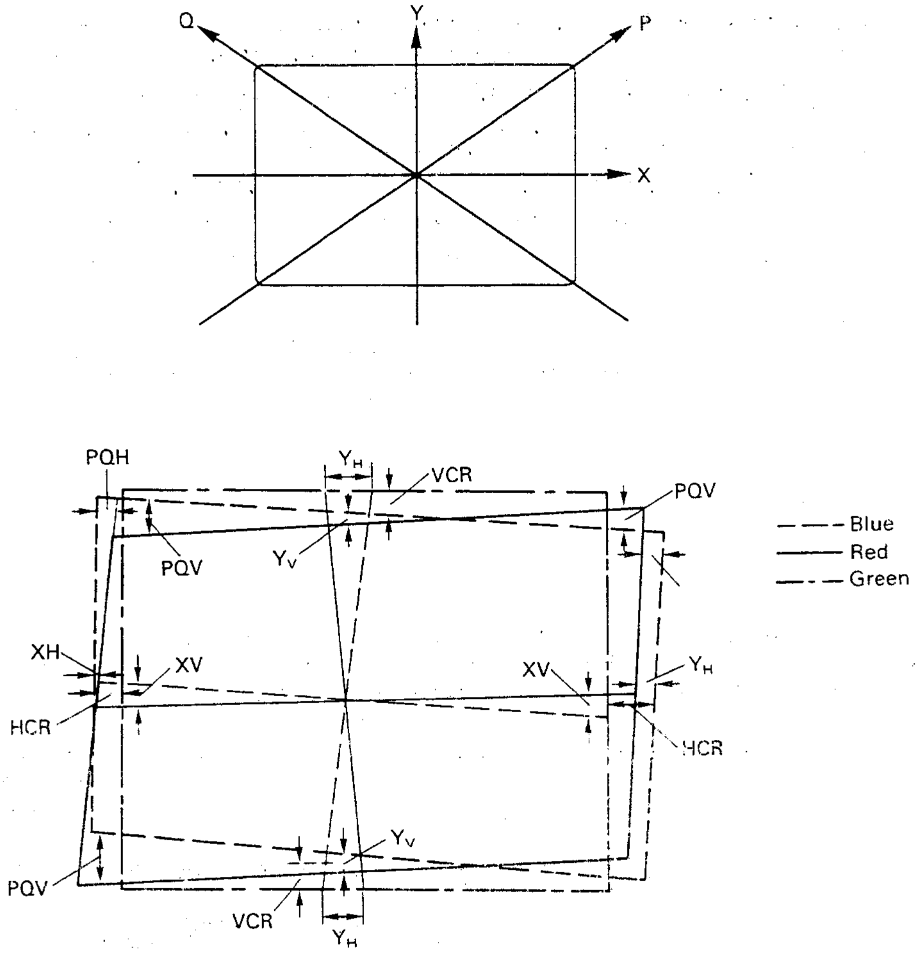
(b) Magnets placed on a diagonal line at the rear of the deflection yoke so that the "B" is up and the "R" is down as shown in the Fig. 13 - 6



(Front view of screen) (Rear view of deflection yoke)
Fig. 13 - 6



Readjust Purity Convergence magnetic assembly 4 - pole magnets ring so that the bow is eliminated. if the bow is reversed the magnets should be reversed.


Q
Y
P
X
PQH
Y_H
VCR
PQV
PQV
Y_V
- - - Blue
—— Red
— · — Green
XH
XV
XV
Y_H
HCR
HCR
Y_V
PQV
VCR
Y_H

* Fig. 13 – 7 Designation of Axes on screen

B/R Deviation XH Horizontal deviation of the X axis end
XV Vertical deviation of the X axis end
YH Horizontal deviation of the Y axis end
YV Vertical deviation of the P/Q axis end (Diagonal)
PQV Vertical deviation of the P/Q axis (Diagonal)
PQH Horizontal deviation of the P/Q axis (Diagonal)

B/R – G Deviation
HCR ——Deviation between the middle of "R" and "B" and the middle of "G" of the X axis end.
VCR ——Deviation between the middle of "R" and "B" and the middle of "G" of the Y axis end.

(4) Push the three rubber wedges between the picture tube cone and the deflection yoke at the positions indicated in Fig. 13 - 8.

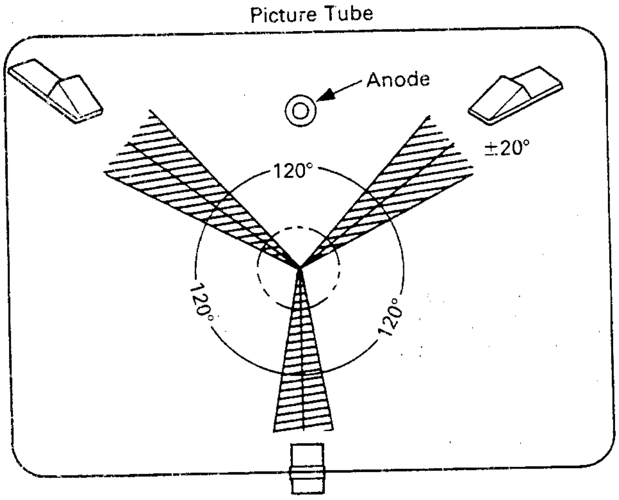

Picture Tube
Anode
±20°
120°
120°
120°

Fig. 13 - 8

(5) Observe the entire screen and make sure convergence adjustment is completed. If necessary, change the positions of the wedges and repeat steps (1) and (3) above.

(6) After the position of the wedges have been decided, gently turn up the end of the wedge and strip the tape from the rear of the end to expose the adhesive material, then adhere to the picture tube cone. (Fig. 13 - 9)

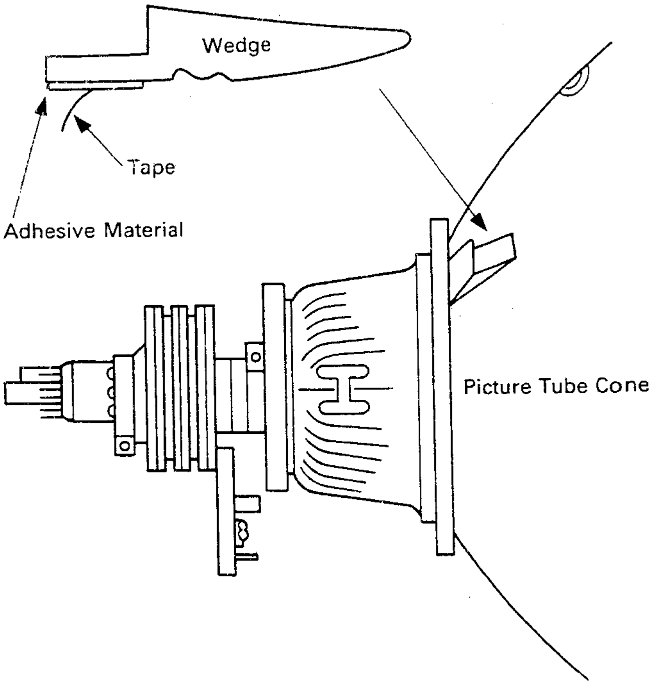
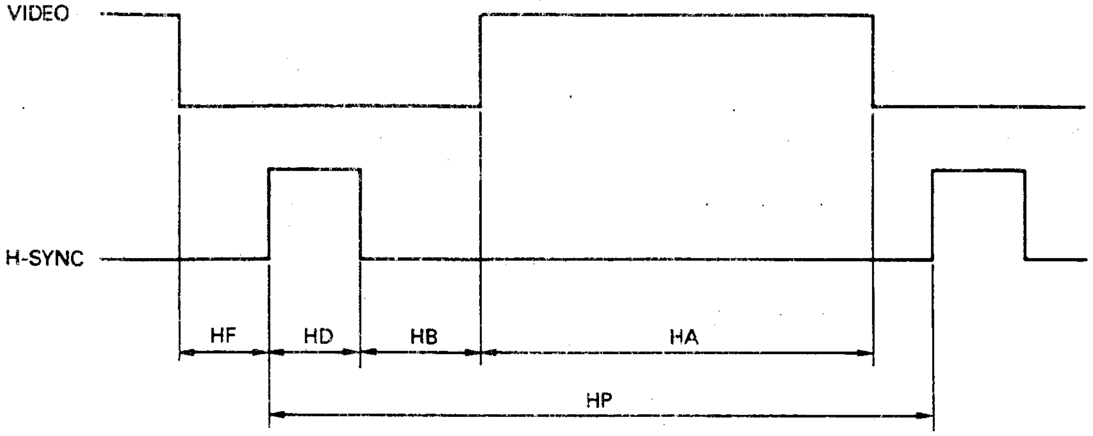

Wedge
Tape
Adhesive Material
Picture Tube Cone

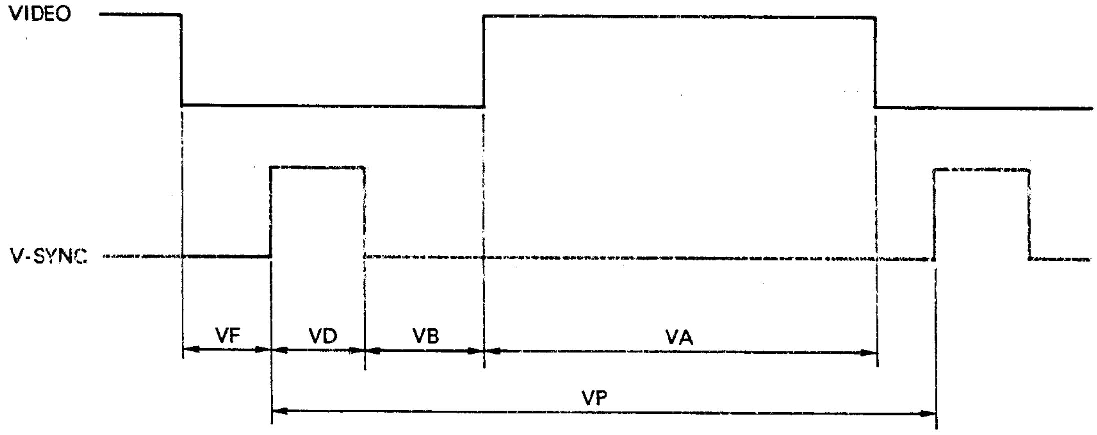
Fig. 13 - 9

TIMING CHART

HORIZONTAL



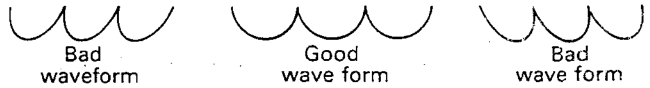
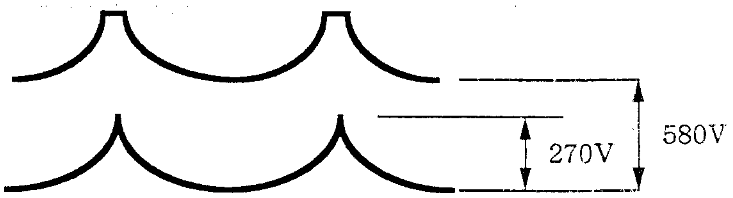
VERTICAL



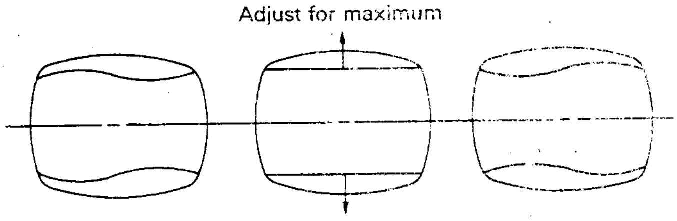
MODE	Horizontal Timing					Vertical Timing					Unit	f_H (kHz)	f_V (Hz)	Note
	HP	HF	HD	HB	HA	VP	VF	VD	VB	VA				
M1-2	63.78	6.47	4.45	8.03	44.83	16680	1640	190	2110	12740	µS	15.7	60	CGA
M2-1	45.75	−0.14	4.924	1.65	39.62	16750	44	595	100	16011	µS	21.8	59.7	EGA
M3-1	54.34	0.348	8.29	1.49	44.212	20040	51	868	133	18990	µS	18.4	50	MDA
M5-1	32.7	0.2	4.48	2.36	25.66	16650	97	65	816	15672	µS	30.5	60	PGA Mode control "H" 480 lines
M5-2	32.7	0.2	4.48	2.36	25.66	16650	1400	65	2120	13065	µS	30.5	60	PGA Mode control "L" 400 lines

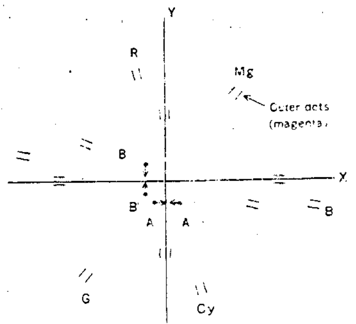
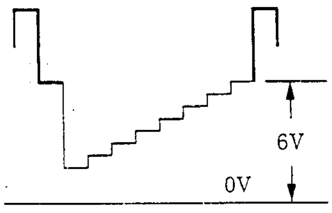
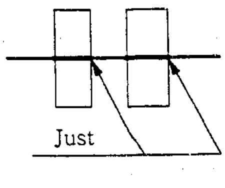
SERVICE ADJUSTMENT

High voltage Adjustment (EGA) <M2-1>	**VR5T1** **VR5T2** **(PCB-DEFL)**	Note: VR5T1, VR5T2 is permanently sealed at factotory. Do not attempt to readjust.
Horizontal width (Summary) (EGA) <M2-1>	**VR553** **(PCB-DEFL)**	(1) Provide an RGB EGA white raster signal. <M2-1>. (2) Set underscan position. (3) Reset H-SIZE control. (4) Adjust VR553 for approx 90% horizontal SIZE of raster.
X-Protector Adjustment	**VR5T2** **(PCB-DEFL)**	Note: VR5T2 is permanentty sealed at factutory. Do not attempt to readjust.
Vertical width (Summary) (EGA) <M2-1>	**VR452** **(PCB-VCJ)**	(1) Provide an RGB EGA white raster signal. <M2-1> (2) Set underscan position. (3) Adjust Height control VR452 for approx 90% vertical SIZE of raster.
Raster position (EGA) <M2-1>	**S551** **S552** **(PCB-DEFL)**	(1) Provide an RGB EGA white signal. <M2-1> (2) Set S552 for mechanical centre position. (3) Set S551 for extreme right position. (4) Adjust S552 for optimum position. (5) If the raster does not move enovgh, change the position of S551.
Horizontal Position (EGA) <M2-1>	**VR5P3** **(PCB-SCAN)**	(1) Provide an RGB EGA monochrome signal. <M2-1> (2) Set underscan position. (3) Reset H-POSI control. (4) Adjust VR5P3 to centre picture.
(PGA) <M5-1>	**VR5P4** **(PCB-SCAN)**	(1) Provide an RGB PGA monochrome signal. <M5-1> (2) Set underscan position. (3) Reset H-POSI control. (4) Adjust VR5P4 to centre picture.
(MDA) <M3-1>	**VR5P5** **(PCB-SCAN)**	(1) Provide an RGB MDA monochrome signal. <M3-1> (2) Set underscan position. (3) Reset H-POSI control. (4) Adjust VR5P5 to centre picture.
(CGA) <M1-2>	**VR5P6** **(PCB-SCAN)**	(1) Provide an RGB CGA monochrome signal. <M1-2> (2) Set overscan position. (3) Reset H-POSI control. (4) Adjust VR5P6 to centre picture.
(Composite)	**VR5P7** **(PCB-SCAN)**	(1) Provide a composite monochrome signal. (2) Reset H-POSI control. (3) Adjust VR5P7 to centre picture.

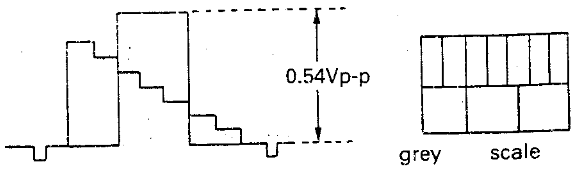
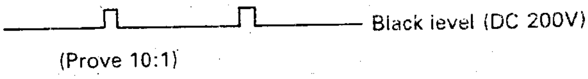
DBF-AGC	**VR453** **(PCB-VCJ)** **VR5501** **VR5503** **(PCB-DBF)**	(1) Turn OFF the power switch. (2) Connect an oscilloscope to test-point TP-8A on PCB-DBF. (3) Set VR453 (PCB-VCJ) and VR5501, VR5502 (PCB-DBF) at mechanical centre position. (4) Turn on the power switch. (5) Provide a RGB EGA signal. <M2-1>. (6) Set underscan position. (7) Adjust VR453 for best symmetry wave form pattern.  (8) Connect an oscilloscope to test-point TP-8B. (CAUTION: Risk of electric shock) (9) Adjust VR5502 clockwise for reading of 270V. (10) Adjust VR5501 clockwise ofr reading of 580V. 
East-West PCC (EGA) <M2-1>	**VR5J1** **(PCB-FV)**	(1) Provide an RGB EGA crosshatch signal. <M2-1> (2) Set underscan position. (3) Adjust VR5J1 for minimum East-West PCC distortion.
(Composite)	**VR5J2** **(PCB-FV)**	(1) Provide a composite crosshatch signal. (2) Set overscan position. (3) Adjust VR5J2 for minimum East-West PCC distortion.
Horizontal width (EGA) <M2-1>	**VR551** **VR553** **(PCB-DEFL)**	(1) Set VR551 at full counterclockwise position. (2) Provide an RGB EGA white raster signal. <M2-1> (3) Set underscan position. (4) Set H-SIZE control at minimum position. (5) Adjust VR553 so that horizontal width becomes 24 in (610 mm). (6) Reset H-SIZE control. (7) Adjust VR551 so that horizontal width becomes 25-3/8 in (645 mm).
(Composite)	**VR552** **(PCB-DEFL)**	(1) Provide a composite monochrome signal. (2) Set underscan position. (3) Reset H-SIZE control. (4) Adjust VR552 so that horizontal width becomes 25-3/8 in (645 mm).

SERVICE ADJUSTMENT

Vertical width (EGA) <M2-1>	**VR451** **VR452** **(PCB-VCJ)**	(1) Provide an RGB EGA crosshatch signal. <M2-1> (2) Set underscan position. (3) Reset V-POSI and V-SIZE control. (4) Adjust HEIGHT control VR452 so that vertical width becomes 19-3/16±3/16 in (487±5mm). (5) Adjust V-LIN control VR451 for symmetry of vertical linearity. (6) Readjust HEIGHT control VR452 so that vertical width becomes 19-3/16±3/16 in (487±5mm).
(Composite)	**VR401** **(PCB-VCJ)**	(1) Provide a composite monochrome signal. (2) Set overscan position. (3) Reset V-SIZE and V-POSI control. (4) Adjust V-SIZE-O control VR401 for picture symmetry.
(PGA) <M5-2>	**VR402** **(PCB-VCJ)**	(1) Provide an RGB PGA crosshatch signal. <M5-2>. (2) Set underscan position. (3) Reset V-POSI and V-SIZE control. (4) Adjust V-SIZE-P control VR402 so that vertical width becomes 19-3/4±3/16 in (477±5mm).
North-South PCC (CGA) <M1-2>	**L451** **(PCB-VCJ)**	(1) Provide a composite crosshatch signal. <M1-2>. (2) Reset V-POSI and V-SIZE control. (3) Set overscan position. (4) Adjust L451 for optimum North-South PCC phase.  (a) Low inductance (b) Normal (c) High inductance ※ Simplified method Connect an oscilloscope between TP56 and TP55. Adjust L451 for maximum waveform.
CHROMA FREE RUN FREQUENCY	**VC650** **(PCB-VCJ)**	(1) Provide a composite COLOUR bar signal. (2) Connector a 1.5MΩ resistor (R-Comp 1/4W) across pin TP6B and pin VCC. (3) Ground the point TP6A. (short lead) (4) Adjust free run frequency control VC650 for almost COLOUR synchronization. (5) Remove the resistor from across pin TP6B and pin VCC and short lead.

CHROMA VECTOR	**VR651** **L651** **T650** **(PCB-VCJ)**	(1) Provide a composite G-card signal. (2) Set VIDEO-CONT control VR250 at mechanical centre position. (3) Reset COLOUR BRIGHTNESS and CONT control. (4) Set SUB-COLOUR control VR650 to mechanical centre position and LEVEL ADJ control VR651 at about 90° counterclockwise position from the centre. (5) Set the oscilloscope to the X-Y mode and connect TP46B (X axis) and TP46R (Y axis) to the horizontal and vertical inputs of the oscilloscope respectively to display vector pettern on the screen as shown in. (6) Observing the outermost dots whitch correspond to normal colour bar, adjust the LEVEL ADJ control VR651 and TRANS-DL-OUT control T650 alternately to almost coincide the double dot patterns equally for all colour points on the scope. (7) Observing around the center dots, adjust the coil L651 so that the movabl points on X axis or Y axis may come up to the nearest points of the centre bright dot. (8) Repeat step (6) and (7) above so that the outer and center dot are converged. (9) Detune L651 so that the movable dots may be shifted and distinguished from the centre bright point as shown in (a). (10) Observing the movable dots, AA′ and BB′, adjust LEVEL ADJ control VR651 so that the double dots shifted in step (9) may come up to the nearest points X or Y axis as shown in (a). (11) Adjust TRANS-DL-OUT control T650 slightly so that the outermost dots, are converged again. (12) If the colour of both sides are prominent in G-card slihgtly adjust the coil L651 so that colour of both side is less on the average.  Y R Mg Outer dots (magenta) B X B′ A A B G Cy (a) Vector Pattern of G-Card Signal
VIDEO CLAMP LEVEL **VIDEO BRT**	**VR204** **VR251** **(PCB-VCJ)**	★ This adjustment should be made after setting clanp-switch to the mode A position. (DIP SW No. 6) (1) Provide a composite colour bar signal. (to EXT1) (2) Reset COLOUR, BRT and CONT control. Set G-CUT-OFF and B-CUT-OFF switch at centre position (3) Set WHITE-SW at extreme rear position. (4) Connect an oscilloscope to test-point TP-1H. (IC250 pin 5) (5) Adjust VR251 for DC (6V), as shown in (a). (6) Ground test-point TP-1L (IC250, pin 29). (7) Connect an oscilloscope to test-point TP-40. (8) Adjust VR204 for coincidence, as shown in (b). Note Adjust VR204 so that the BLK level should be equal to the set black level 6V. (a) VR251 Adjustment  (b) VR204 Adjustment 

SERVICE ADJUSTMENT

Video CONT	VR250 (PCB-VCJ)	(1) Set SCREEN VR at full counterclockwise position. (2) Disconnect connector "DT" (3) Turn receiver to a grey scale (to EXT1). (4) Connect an oscilloscope to test-point TP-4G. (5) Adjust VR250 for 0.54Vp-p. (6) Set WHITE-SW at extreme rear position. (7) Reconnect connector "DT". 
R-CUT-OFF **G-CUT-OFF** **B-CUT-OFF** **R-DRIVE** **G-DRIVE** **B-DRIVE** **D/A SUB CONT** **D/A SUB BRIGHT** **SCREEN VR**	**VR6D1** **VR6D2** **VR6D3** **VR8A1** **VR8A2** **VR8A3** **VR8A4** **VR8A5** **(PWB-RGB)**	(1) Provide a composite monoscope signal (to EXT1). (2) Set overscan position. (3) Reset BRT and CONT control. (4) Set VR6D1, 6D2 and 6D3 at full counterclockwise position. Set VR8A1, VR8A2 and VR8A3 at full clockwise position. Set SCREEN VR on flybeck transformer at full counterclockwise position. (5) Connect an oscilloscope to test-point (6) Adjust VR8A4 for 7.0V. (7) Set SERVICE-SW S451 (PCB-VCJ) at rear position. (The screen shows one horizontal line.) (8) Connect an oscilloscope to test-point TP-4K. (9) Adjust VR8A5 for DC (200V).  (10) Turn the SCREEN control clockwise until a red, blue or green horizontal line appears. (11) Adjust VR6D1, VR6D2 or VR6D3 to produce a white line. (12) Remove S451. (13) Set SERVICE-SW S451 OFF and WHITE-SW S603 (PCB-VCJ) in the front of set ON. (14) Connect a voltmeter (input IMP=1MΩ) between test-point TP-91 (+) and TP-1Z (−). (15) Provide a composite grey scale signal. (16) Adjust VR8A4 for DC (100V±3V). (17) Provide a composite monoscope signal. (18) Adjust VR8A1, VR3A2 or VR8A3 to produce a white raster over the entire screen. (19) Provide a composite grey scale signal. (20) Readjust VR8A4 for DC (100V).

SERVICE ADJUSTMENT

RGB R-DRIVE **RGB G-DRIVE** **RGB B-DRIVE**	**VR8A6** **VR8B0** **VR8A7** **(PCB-RGB)**	(1) Provide an RGB TTL CGA white raster signal. (to D-SUB 9 pin) (R, G, B, g="H") (2) Set RGB TTL 16 colours position. Set RGB 16 colours COLOURS VR at full clockwise position. (3) Set underscan position. (4) Reset BRT and CONT control. (5) Set the mode A position. (DIP SW No.6) (6) Set VR8A8 at full clockwise position. (7) Connect a DC voltmeter between test-point TP-91 (+) and TP-1Z (−). (8) Set VR8A0 at full counterclockwise position. (9) Adjust VR8A0 for DC (90V±3V). (10) Set VR8A6, VR8B0 and VR8A7 at full clockwise position. (11) Adjust VR8A6, VR8B0 and VR8A7 to produce a white raster over the entire screen.
RGB SUB CONT **RGB TTL BRIGHT**	**VR8A8** **VR8A0** **(PCB-RGB)**	(1) Provide an RGB ANALOGUE CGA white raster signal. (to D-SUB 25pin or BNC 75ohm 0.6±0.01Vp-p). (2) Set RGB ANALOGUE SEPARATE SYNC position. (3) Reset BRT and CONT control. (4) Connect a voltmeter (input IMP=1MΩ) between test-point TP-91 (+) and TP-1Z (−). (5) Adjust VR8A8 for DC (90V±3V). (6) Provide a RGB TTL CGA white raster signal. (R, G, B g="H") (7) Set RGB TTL 16 colours position. (8) Adjust VR8A0 for DC (90V±3V).
MONOCHROME SUB CONT	**VR8A9** **(PCB-RGB)**	(1) Provide an RGB TTL CGA white raster signal. (R, G, B, g="H") (2) Set the SELECT position. (DIP switch No.1 to No.5) (3) Set RGB MONOCHROME position. (4) Reset BRT and CONT control. (5) Set VR8A9 at full counterclockwise position. (6) Adjust VR8A9 for DC (90V±3V).
SUB COLOUR	**VR650** **(PCB-VCJ)**	(1) Provide a composite colour-bar signal. (2) Reset COLOR, BRT and CONT control. Connect an VECTOR oscilloscope to TP-46R (R-AMP) (3) Adjust VR650 for 1.5Vp-p.

FOCUS

(1) Provide a RGB a crosshatch signal.
Set underscan position.
Reset CONTRAST and BRIGHT control.

(2) Observing around the vertical line, adjust FOCUS-2 control for best overall focus.

(3) Observing the horizontal line, adjust FOCUS-1 control for best overall focus.

(4) Observing around the vertical line, adjust FOCUS-2 control for best overall focus.

(5) Observing the horizontal line, adjust FOCUS-1 control for best overall focus.

(6) If necessary, repeat step (2) through (5).

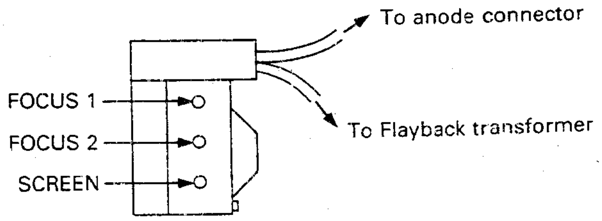

To anode connector
FOCUS 1
FOCUS 2
SCREEN
To Flayback transformer

Fig. 14 (a)

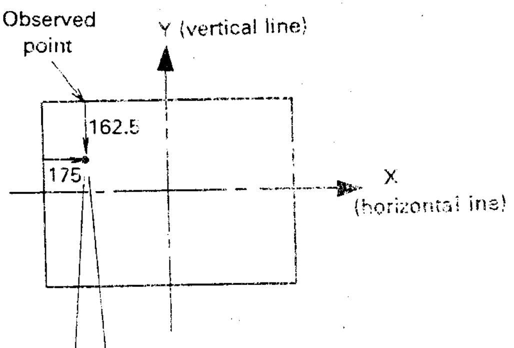
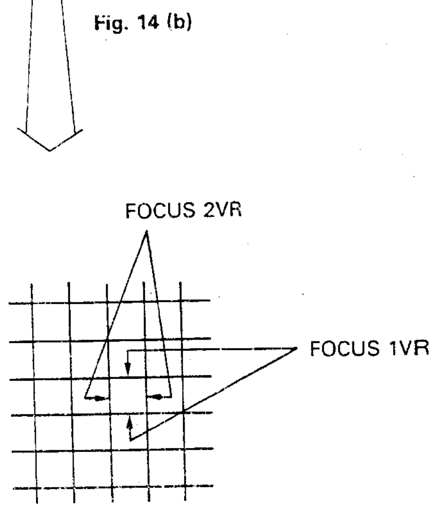

Observed point
Y (vertical line)
162.5
175
X
(horizontal ine)

Fig. 14 (b)


FOCUS 2VR
FOCUS 1VR

PARTS LIST EUM－3741A

In order to expedite delivery of replacement part orders.

Specify : 1.Model number／Serial number
2.Part number and Description
3.Quantity

Unless full information is supplied,delay in execution of orders will result.

⚠ : Critical components

RESISTOR		CAPACITOR			
MARK	TOLERANCE	MARK	TOLERANCE	MARK	TOLERANCE
J	±5%	J	±5%	Z	+80% －20%
K	±10%	K	±10%	C	±0.25pF
M	±20%	M	±20%	D	±0.5pF
N	±30%	P	+100% － 0%	F	±1pF
				Q	+30% －10%

TUBE

SYMBOL NO.	PART NO.	DESCRIPTION
⚠	255B963040	ITC ASSY A89JVU81XH

INTEGRATED CIRCUITS

SYMBOL NO.	PART NO.	DESCRIPTION
IC250	266P633020	M51310AP
IC2A1	266P923040	NJM78L05A
IC2A2	272P129010	M51457AP
IC2A3	263P053020	TC4053BP
IC2001	272P028010	TA7717AP
IC2002	266P016010	LA7016
IC301	263P052020	TC4052BP
IC3A1	266P388020	AN5836
⚠ IC301	266P364020	STK4332
IC302	266P932090	NJM7805A/AN7805/L780
IC303	266P932090	NJM7805A/AN7805/L780
IC401	266P934040	μPC7812H
IC402	266P419010	M5223P
IC403	266P154010	μPC393C
IC4A1	263P538070	TC4538BP/HD14538
IC4A2	266P419010	M5223P
IC501	263P538070	TC4538BP/HD14538
IC502	263P538070	TC4538BP/HD14538
IC503	266P727010	μPC339C/MC3302P
IC504	266P806010	M53206P/SN7406N
IC552	266P932090	NJM7805A/AN7805/L780
IC553	266P719010	M51841P/NE555V
IC5A1	272P157010	LA7851
IC5A2	266P836090	SN74LS161AN/HD74LS16
IC5A3	266P836090	SN74LS161AN/HD74LS16
IC5A4	263P374020	TC74HC74P
IC5A5	266P840010	SN74LS00N/HD74LS00P
IC5A6	266P419010	M5223P
IC5A7	266P419010	M5223P
IC5A8	266P419010	M5223P
IC5A9	266P922010	μPC78M05H
IC5B1	272P156010	μPC78M24H
IC5B2	266P934040	μPC7812H
IC5B3	263P066020	TC4066BP
IC5J1	266P386010	AN5733
IC5J2	266P419010	M5223P
IC5P1	266P844010	SN74LS123N
IC5P2	263P051010	TC4051BP/MC14051
IC5501	266P752010	M5109P
IC5502	266P752010	M5109P

SYMBOL NO.	PART NO.	DESCRIPTION
IC6001	266P016010	LA7016
IC6002	266P016010	LA7016
IC701	272P146010	50747E-225SP
IC703	272P064010	M58630P
IC704	266P130020	PST520C
IC705	266D037060	μPD4514BC
IC706	266D037060	μPD4514BC
IC707	272P130010	MPA2981C
IC708	272P130010	MPA2981C
IC709	272P130010	MPA2981C
IC711	266P130020	PST520C
IC713	263P869010	μPD6326C
IC714	263P869010	μPD6326C
IC7F0	266P249010	CX20106A
IC801	263P053020	TC4053BP
IC802	266P468010	SN74LS157N
IC803	266P468010	SN74LS157N
IC805	266P850010	SN74LS04N/HD74LS04P
IC806	266P465090	M74LS136P/HD74LS136P
IC807	266P853020	SN74LS08N
IC8A0	266P853020	SN74LS08N
IC8A1	266P859010	SN74LS11N
IC8A2	266P486010	SN74LS158N
IC8A3	266P452010	SN74LS05N
IC8A4	266P457010	SN74LS38N
IC8A5	266P452010	SN74LS05N
IC8A6	266P457010	SN74LS38N
IC8A7	266P848010	SN74LS02N
IC8A8	272P128010	SN74LS33N
IC8A9	266P256010	SN74LS09N
IC8B0	266P452010	SN74LS05N
IC8B1	272P027010	AN5862K
IC8B2	272P027010	AN5862K
IC8B3	272P055010	AN5860
IC8B4	272P081010	M51387P
IC8B5	266P853020	SN74LS08N
IC8B6	266P457010	SN74LS38N
IC8B7	266P451010	SN74LS03N/HD74LS03P
IC80A1	266P844010	SN74LS123N
IC80A2	266P844010	SN74LS123N
IC80A3	266P849020	IC (TTL) SN74LS74AN/HD74LS7
IC80A4	263P053020	TC4053BP
IC80A5	263P053020	TC4053BP
IC80A6	266P016010	LA7016
IC80A7	263P053020	TC4053BP

SYMBOL NO.	PART NO.	DESCRIPTION
IC80A8	266P844010	SN74LS123N
IC80A9	272P228010	AN5650
IC80B0	272P228010	AN5650

TRANSISTORS

SYMBOL NO.	PART NO.	DESCRIPTION
Q 201	260P338040	2SC2603-E, F
Q 202	260P256010	2SA1115-E, F
Q 203	260P256010	2SA1115-E, F
Q 204	260P338040	2SC2603-E, F
Q 205	260P305010	2SC2901
Q 206	260P338040	2SC2603-E, F
Q 207	260P256010	2SA1115-E, F
Q 251	260P338040	2SC2603-E, F
Q 252	260P256010	2SA1115-E, F
Q 2A1	260P338040	2SC2603-E, F
Q 2A2	260P256010	2SA1115-E, F
Q 2A3	260P256010	2SA1115-E, F
Q 2A4	260P256010	2SA1115-E, F
Q 2A5	260P419040	2SC2724-C, D
Q 2A7	260P419040	2SC2724-C, D
Q 2A8	260P256010	2SA1115-E, F
Q 2A9	260P419040	2SC2724-C, D
Q 2B1	260P419040	2SC2724-C, D
Q 2B2	260P338040	2SC2603-E, F
Q 2B3	260P338040	2SC2603-E, F
Q 2B4	260P256010	2SA1115-E, F
Q 2B5	260P256010	2SA1115-E, F
Q 2B6	260P338040	2SC2603-E, F
Q 2001	260P338040	2SC2603-E, F
Q 2002	260P419050	2SC2724D. E
Q 2004	260P387030	2SC2236-Y
Q 2005	260P387030	2SC2236-Y
Q 2007	260P387030	2SC2236-Y
Q 2008	260P419050	2SC2724D. E
Q 2009	260P419050	2SC2724D. E
Q 2010	260P419050	2SC2724D. E
Q 2011	260P416030	2SC2274-F
Q 2012	260P419050	2SC2724D. E
Q 2013	260P256010	2SA1115-E, F
Q 2014	260P419050	2SC2724D. E
Q 2015	260P419050	2SC2724D. E
Q 2016	260P338040	2SC2603-E, F
Q 301	260P338040	2SC2603-E, F
Q 302	260P338040	2SC2603-E, F
Q 3A1	260P256010	2SA1115-E, F
Q 3A2	260P338040	2SC2603-E, F
Q 3A5	260P338040	2SC2603-E, F
Q 3A6	260P338040	2SC2603-E, F
Q 3B1	260P338040	2SC2603-E, F
Q 3B2	260P338040	2SC2603-E, F
Q 3B3	260P338040	2SC2603-E, F
Q 3B4	260P338040	2SC2603-E, F
Q 3B5	260P338040	2SC2603-E, F
Q 3B6	260P338040	2SC2603-E, F

SYMBOL NO.	PART NO.	DESCRIPTION
Q 3B7	260P338040	2SC2603-E, F
Q 3B8	260P338040	2SC2603-E, F
Q 3B9	260P338040	2SC2603-E, F
⚠ Q 3E1	260P450010	2SC-1985Y
Q 401	260P256010	2SA1115-E, F
Q 402	260P256010	2SA1115-E, F
Q 403	260P338040	2SC2603-E, F
Q 404	260P338040	2SC2603-E, F
Q 405	260P338040	2SC2603-E, F
Q 406	260P338040	2SC2603-E, F
Q 407	260P338040	2SC2603-E, F
Q 408	260P338040	2SC2603-E, F
Q 451	260P428020	2SC2168-Y
Q 452	260P622020	2SA958-Y
Q 453	260P571020	2SC3789-E, F
Q 454	260P622020	2SA958-Y
Q 455	260P571020	2SC3789-E, F
Q 456	260P571020	2SC3789-E, F
Q 457	260P338040	2SC2603-E, F
Q 463	260P338050	2SC2603-G
Q 465	260P386030	2SC2230-Y, GR
Q 467	260P428020	2SC2168-Y
Q 468	260P338040	2SC2603-E, F
Q 469	260P571020	2SC3789-E, F
Q 470	260P338040	2SC2603-E, F
Q 4A1	260P338040	2SC2603-E, F
Q 4A2	260P338040	2SC2603-E, F
Q 4A3	260P604010	DTC124ES/UN4212
Q 501	260P338040	2SC2603-E, F
Q 502	260P455010	DTC124F
Q 503	260P338040	2SC2603-E, F
Q 505	260P338040	2SC2603-E, F
Q 507	260P338040	2SC2603-E, F
⚠ Q 551	260P626010	2SC3183-M
Q 552	260P385030	2SC2229-OY
Q 553	260P561010	2SA1371
⚠ Q 554	260P620010	2SC3997
Q 555	260P338040	2SC2603-E, F
Q 556	260P338040	2SC2603-E, F
Q 557	260P338040	2SC2603-E, F
Q 558	260P338040	2SC2603-E, F
Q 559	260P338040	2SC2603-E, F
Q 560	260P385020	2SC2229-Y
Q 561	260P385020	2SC2229-Y
Q 562	260P338040	2SC2603-E, F
Q 563	260P385020	2SC2229-Y
Q 564	260P422010	2SC2482
Q 565	260P571020	2SC3789-E, F
Q 568	260P338040	2SC2603-E, F
Q 570	260P338040	2SC2603-E, F
Q 571	260P385020	2SC2229-Y
Q 572	260P338040	2SC2603-E, F
Q 573	260P455010	DTC124F

SYMBOL NO.	PART NO.	DESCRIPTION
Q 574	260P338040	2SC2603-E, F
Q 575	260P338040	2SC2603-E, F
Q 576	260P561010	2SA1371
Q 577	260P256010	2SA1115-E, F
Q 5A1	260P256010	2SA1115-E, F
Q 5A2	260P256040	2SA1115-F
Q 5A3	260P338050	2SC2603-G
Q 5A6	260P255040	2SA950-Y
Q 5A7	260P338040	2SC2603-E, F
Q 5A8	260P604010	DTC124ES/UN4212
Q 5A9	260P604010	DTC124ES/UN4212
Q 5B1	260P416030	2SC2274-F
Q 5B2	260P338040	2SC2603-E, F
Q 5B5	260P338050	2SC2603-G
Q 5B6	260P338040	2SC2603-E, F
Q 5B7	260P416030	2SC2274-F
Q 5E7	260P256010	2SA1115-E, F
Q 5J1	260P338040	2SC2603-E, F
Q 5J2	260P582010	2SK656
Q 5M1	260P338040	2SC2603-E, F
Q 5M2	260P338040	2SC2603-E, F
Q 5M3	260P325030	2SC2655-Y
Q 5P1	260P256010	2SA1115-E, F
Q 5P2	260P256010	2SA1115-E, F
Q 5P3	260P256010	2SA1115-E, F
Q 5P4	260P338040	2SC2603-E, F
Q 5P5	260P338040	2SC2603-E, F
⚠ Q 5T2	260P621010	2SD1881
Q 5T3	260P338040	2SC2603-E, F
Q 5T4	260P256010	2SA1115-E, F
Q 5T5	260P256010	2SA1115-E, F
⚠ Q 5T6	260P385020	2SC2229-Y
⚠ Q 5T7	260P385020	2SC2229-Y
⚠ Q 5T8	260P385020	2SC2229-Y
⚠ Q 5T9	260P385020	2SC2229-Y
⚠ Q 5U1	260P385020	2SC2229-Y
⚠ Q 5U2	260P385020	2SC2229-Y
Q 5U3	260P256010	2SA1115-E, F
Q 5U4	260P561010	2SA1371
Q 5U5	260P385020	2SC2229-Y
Q 5U6	260P338040	2SC2603-E, F
Q 5U7	260P338040	2SC2603-E, F
Q 5U8	260P385030	2SC2229-OY
Q 5U9	260P256010	2SA1115-E, F
Q 5V1	260P256010	2SA1115-E, F
Q 5V2	260P338040	2SC2603-E, F
Q 5V6	260P338040	2SC2603-E, F
Q 5501	260P338040	2SC2603-E, F
Q 5502	260P256010	2SA1115-E, F
Q 5503	260P338040	2SC2603-E, F
Q 5504	260P338040	2SC2603-E, F
Q 5505	260P338040	2SC2603-E, F
Q 5506	260P256010	2SA1115-E, F

SYMBOL NO.	PART NO.	DESCRIPTION
Q 5507	260P338040	2SC2603-E, F
Q 5510	260P256040	2SA1115-F
Q 5511	260P338040	2SC2603-E, F
Q 5512	260P617010	2SC4256
Q 5513	260P617010	2SC4256
Q 5514	260P338040	2SC2603-E, F
Q 5515	260P338040	2SC2603-E, F
Q 602	260P338040	2SC2603-E, F
Q 603	260P338040	2SC2603-E, F
Q 604	260P338040	2SC2603-E, F
Q 605	260P256010	2SA1115-E, F
Q 606	260P256010	2SA1115-E, F
Q 607	260P256010	2SA1115-E, F
Q 608	260P256010	2SA1115-E, F
Q 609	260P256010	2SA1115-E, F
Q 610	260P256010	2SA1115-E, F
Q 6A1	260P598010	2SC3468 D
Q 6A2	260P598010	2SC3468 D
Q 6A3	260P598010	2SC3468 D
Q 6A4	260P338040	2SC2603-E, F
Q 6A5	260P338040	2SC2603-E, F
Q 6A6	260P338040	2SC2603-E, F
Q 6A7	260P561010	2SA1371
Q 6A8	260P561010	2SA1371
Q 6A9	260P561010	2SA1371
Q 6B1	260P605010	2SC3953
Q 6B2	260P605010	2SC3953
Q 6B3	260P605010	2SC3953
Q 6B4	260P616010	2SC3946
Q 6B5	260P616010	2SC3946
Q 6B6	260P616010	2SC3946
Q 6B7	260P605010	2SC3953
Q 6B8	260P605010	2SC3953
Q 6B9	260P605010	2SC3953
Q 6C1	260P571010	2SC3789-C, D
Q 6C2	260P571010	2SC3789-C, D
Q 6C3	260P571010	2SC3789-C, D
Q 6C4	260P627010	2SA1480-D
Q 6C5	260P627010	2SA1480-D
Q 6C6	260P627010	2SA1480-D
Q 6K1	260P561010	2SA1371
Q 6K2	260P561010	2SA1371
Q 6K3	260P561010	2SA1371
Q 6001	260P338040	2SC2603-E, F
Q 6002	260P338040	2SC2603-E, F
Q 6003	260P338040	2SC2603-E, F
Q 6004	260P338040	2SC2603-E, F
Q 6005	260P338040	2SC2603-E, F
Q 6007	260P338040	2SC2603-E, F
Q 6008	260P338040	2SC2603-E, F
Q 6009	260P338040	2SC2603-E, F
Q 701	260P338040	2SC2603-E, F
Q 702	260P338040	2SC2603-E, F
Q 703	260P338040	2SC2603-E, F

SYMBOL NO.	PART NO.	DESCRIPTION
Q 704	260P338040	2SC2603-E, F
Q 705	260P338040	2SC2603-E, F
Q 706	260P338040	2SC2603-E, F
Q 707	260P338040	2SC2603-E, F
Q 708	260P338040	2SC2603-E, F
Q 709	260P338040	2SC2603-E, F
Q 710	260P338040	2SC2603-E, F
Q 711	260P338040	2SC2603-E, F
Q 712	260P338040	2SC2603-E, F
Q 713	260P338040	2SC2603-E, F
Q 714	260P338040	2SC2603-E, F
Q 716	260P338040	2SC2603-E, F
Q 717	260P338040	2SC2603-E, F
Q 718	260P338040	2SC2603-E, F
Q 719	260P338040	2SC2603-E, F
Q 720	260P338040	2SC2603-E, F
Q 721	260P416050	2SC2274-E, F
Q 801	260P338040	2SC2603-E, F
Q 807	260P419050	2SC2724D. E
Q 808	260P419050	2SC2724D. E
Q 809	260P256010	2SA1115-E, F
Q 811	260P338040	2SC2603-E, F
Q 814	260P338040	2SC2603-E, F
Q 816	260P338040	2SC2603-E, F
Q 8A0	260P387010	2SC2236-OY
Q 8A1	260P416050	2SC2274-E, F
Q 8A2	260P416050	2SC2274-E, F
Q 8A3	260P338040	2SC2603-E, F
Q 8A4	260P256010	2SA1115-E, F
Q 8A5	260P256010	2SA1115-E, F
Q 8A6	260P256010	2SA1115-E, F
Q 8A7	260P167040	2SA673A-D
Q 8A8	260P167040	2SA673A-D
Q 8A9	260P167040	2SA673A-D
Q 8B0	260P305010	2SC2901
Q 8B1	260P338040	2SC2603-E, F
Q 8B2	260P305010	2SC2901
Q 8B3	260P305010	2SC2901
Q 8B4	260P338040	2SC2603-E, F
Q 8B5	260P416050	2SC2274-E, F
Q 8B6	260P305010	2SC2901
Q 8B7	260P338040	2SC2603-E, F
Q 8B8	260P338040	2SC2603-E, F
Q 8B9	260P338040	2SC2603-E, F
Q 8C0	260P338040	2SC2603-E, F
Q 8C2	260P256010	2SA1115-E, F
Q 8C3	260P338040	2SC2603-E, F
Q 8C4	260P419050	2SC2724D. E
Q 8C5	260P419050	2SC2724D. E
Q 8C6	260P419050	2SC2724D. E
Q 8C7	260P419050	2SC2724D. E
Q 8C8	260P419050	2SC2724D. E
Q 8C9	260P419050	2SC2724D. E
Q 8D0	260P338040	2SC2603-E, F
Q 8D1	260P338040	2SC2603-E, F
Q 8D2	260P338040	2SC2603-E, F
Q 8001	260P573010	2SB940-P
Q 8002	260P574010	2SD1264-P
Q 8003	260P338060	2SC2603-F, G
Q 8004	260P256040	2SA1115-F
Q 8005	260P338060	2SC2603-F, G
Q 8006	260P338040	2SC2603-E, F
Q 8007	260P338040	2SC2603-E, F
Q 8008	260P338040	2SC2603-E, F
Q 8009	260P338040	2SC2603-E, F
Q 8010	260P338040	2SC2603-E, F
Q 80A1	260P338040	2SC2603-E, F
Q 80A2	260P338040	2SC2603-E, F
Q 80A4	260P338040	2SC2603-E, F
Q 80A5	260P338040	2SC2603-E, F
Q 80A6	260P338040	2SC2603-E, F
Q 80A7	260P256010	2SA1115-E, F
Q 80A8	260P256010	2SA1115-E, F
Q 80A9	260P338040	2SC2603-E, F
Q 80B0	260P338040	2SC2603-E, F
Q 80B1	260P338040	2SC2603-E, F
Q 80B2	260P338040	2SC2603-E, F
Q 80B3	260P338040	2SC2603-E, F
Q 80B6	260P338040	2SC2603-E, F
Q 80B7	260P256010	2SA1115-E, F
Q 80C0	260P338040	2SC2603-E, F
Q 80C1	260P338050	2SC2603-G

DIODES

SYMBOL NO.	PART NO.	DESCRIPTION
D 215	264P045040	1S2471
D 216	264P045040	1S2471
D 217	264P045040	1S2471
D 220	264P123030	1SS99
D 221	264P123030	1SS99
D 2A1	264P045040	1S2471
D 2A2	264P045040	1S2471
D 2001	264P464080	EQA02-11C. D
D 2002	264P464080	EQA02-11C. D
D 2003	264P464080	EQA02-11C. D
D 2004	264P464080	EQA02-11C. D
D 2005	264P464080	EQA02-11C. D
D 2006	264P464080	EQA02-11C. D
D 2007	264P464080	EQA02-11C. D
D 2008	264P464080	EQA02-11C. D
D 301	264P045040	1S2471
D 302	264P045040	1S2471
D 303	264P045040	1S2471
D 304	264P045040	1S2471
D 305	264P045040	1S2471
D 306	264P045040	1S2471
D 307	264P045040	1S2471

SYMBOL NO.	PART NO.	DESCRIPTION
D 308	264P045040	1S2471
D 3A1	264P045040	1S2471
D 3A2	264P045040	1S2471
D 3A3	264P501050	HZ3BLL
D 3A4	264P501050	HZ3BLL
D 3A5	264P045040	1S2471
D 3A6	264P045040	1S2471
⚠ D 3D1	264P200060	S2VB10
⚠ D 3D2	264P488070	RD15EB2
⚠ D 3D4	264P200060	S2VB10
D 3E1	264P045040	1S2471
D 3E2	264P045040	1S2471
⚠ D 3E3	264P508010	S1WB(A)10
⚠ D 3E4	264P231010	TVR1G
⚠ D 3E5	264P502030	HZ5CLL
D 401	264P045040	1S2471
D 410	264P045040	1S2471
D 411	264P045040	1S2471
D 413	264P045040	1S2471
D 414	264P045040	1S2471
D 415	264P045080	1S2471
D 416	264P045080	1S2471
D 417	264P045040	1S2471
D 418	264P045040	1S2471
D 451	264P285010	S5500D
D 452	264P285010	S5500D
D 453	264P285010	S5500D
D 454	264P285010	S5500D
D 455	264P285010	S5500D
D 460	264P285010	S5500D
D 467	264P461010	EQA02-06AB
D 472	264P285010	S5500D
D 473	264P285010	S5500D
D 474	264P461010	EQA02-06AB
D 475	264P465060	EQA02-12B
D 476	264P285010	S5500D
D 477	264P123030	1SS99
D 478	264P123030	1SS99
D 4A1	264P461060	EQA02-06C
D 4A2	264P045040	1S2471
D 503	264P045040	1S2471
D 504	264P045040	1S2471
D 505	264P045040	1S2471
D 549	264P045040	1S2471
D 551	264P528010	RP1H
D 552	264P530010	RG4C
D 553	264P530010	RG4C
⚠ D 554	264P529010	CTS-G3FR
D 555	264P285010	S5500D
D 556	264P285010	S5500D
D 557	264P285010	S5500D
D 558	264P285010	S5500D
D 559	264P045040	1S2471

SYMBOL NO.	PART NO.	DESCRIPTION
D 560	264P045040	1S2471
D 561	264P045040	1S2471
D 562	264P045040	1S2471
D 563	264P102010	UF-2/RU-3A
D 564	264P285010	S5500D
D 565	264P285010	S5500D
D 566	264P285010	S5500D
D 567	264P470030	EQA02-30B
D 568	264P285010	S5500D
⚠ D 569	264P285010	S5500D
⚠ D 571	264P493010	RD39FB1
⚠ D 572	264P493010	RD39FB1
⚠ D 573	264P493010	RD39FB1
D 578	264P521020	EU-1
D 579	264P460070	EQA02-05D
D 580	264P045040	1S2471
D 581	264P045040	1S2471
D 583	264P045040	1S2471
D 584	264P461040	EQA02-06A
D 585	264P045040	1S2471
D 587	264P521020	EU-1
D 589	264P045040	1S2471
D 590	264P045040	1S2471
D 591	264P285010	S5500D
D 592	264P244020	HZT33-02
D 594	264P491030	RD27EB1
D 595	264P491030	RD27EB1
D 596	264P189010	TLR124
D 597	264P189010	TLR124
D 598	264P189010	TLR124
D 5A1	264P045060	1S2076A-S1/1S2472FV
D 5A2	264P045060	1S2076A-S1/1S2472FV
D 5A4	264P045040	1S2471
D 5A6	264P045060	1S2076A-S1/1S2472FV
D 5A7	264P461040	EQA02-06A
D 5A8	264P461040	EQA02-06A
D 5A9	264P461040	EQA02-06A
D 5B1	264P045060	1S2076A-S1/1S2472FV
D 5B5	264P045060	1S2076A-S1/1S2472FV
D 5B6	264P045060	1S2076A-S1/1S2472FV
D 5B7	264P045060	1S2076A-S1/1S2472FV
D 5B8	264P045040	1S2471
D 5C1	264P045040	1S2471
D 5C2	264P045040	1S2471
D 5M1	264P045040	1S2471
D 5M2	264P045040	1S2471
D 5M3	264P045040	1S2471
D 5P1	264P045040	1S2471
D 5P2	264P461040	EQA02-06A
D 5P3	264P045040	1S2471
D 5P4	264P045040	1S2471
D 5T1	264P528010	RP1H
⚠ D 5T2	264P244020	HZT33-02

SYMBOL NO.	PART NO.	DESCRIPTION
D 5T3	264P460070	EQA02-05D
D 5T4	264P045040	1S2471
⚠ D 5T5	264P244020	HZT33-02
D 5T6	264P285010	S5500D
D 5T7	264P285010	S5500D
D 5T8	264P470030	EQA02-30B
D 5T9	264P533010	RS4FS
⚠ D 5U1	264P521020	EU-1
D 5U2	264P045040	1S2471
D 5U3	264P285010	S5500D
D 5U4	264P045040	1S2471
D 5U5	264P502030	HZ5CLL
D 5U8	264P102050	RU-3
D 5W1	264P285010	S5500D
D 5Z1	264P501050	HZ3BLL
D 5501	264P488020	RD13ED1
D 5502	264P465030	EQA02-11D
D 5503	264P045040	1S2471
D 5504	264P045040	1S2471
D 5505	264P045040	1S2471
D 5506	264P465030	EQA02-11D
D 5507	264P045040	1S2471
D 5508	264P045040	1S2471
D 5510	264P045040	1S2471
D 603	264P045040	1S2471
D 604	264P045040	1S2471
D 605	264P501050	HZ3BLL
D 606	264P045040	1S2471
D 607	264P045080	1S2076A/1S2471
D 6A1	264P464050	EQA02-10U
D 6A2	264P464050	EQA02-10U
D 6A3	264P464050	EQA02-10U
D 6A4	264P045040	1S2471
D 6A5	264P045040	1S2471
D 6A6	264P045040	1S2471
D 6D1	264P231010	TVR1G
D 6D2	264P231010	TVR1G
D 6D3	264P231010	TVR1G
D 6D4	264P285010	S5500D
D 6D5	264P285010	S5500D
D 6D6	264P285010	S5500D
D 6001	264P462020	EQA02-07CD
D 6002	264P462020	EQA02-07CD
D 701	264P045040	1S2471
D 702	264P045040	1S2471
D 703	264P045040	1S2471
D 704	264P045040	1S2471
D 705	264P045040	1S2471
D 706	264P461010	EQA02-06AB
D 707	264P045040	1S2471
D 716	264P045040	1S2471
D 717	264P045040	1S2471
D 718	264P045040	1S2471

SYMBOL NO.	PART NO.	DESCRIPTION
D 719	264P045040	1S2471
D 720	264P045040	1S2471
D 721	264P045040	1S2471
D 722	264P045040	1S2471
D 723	264P045040	1S2471
D 724	264P045040	1S2471
D 725	264P045040	1S2471
D 726	264P045040	1S2471
D 727	264P045040	1S2471
D 728	264P045040	1S2471
D 729	264P045040	1S2471
D 730	264P045040	1S2471
D 731	264P045040	1S2471
D 732	264P464060	EQA02-10D
D 740	264P488080	RD15FB3
D 741	264P045040	1S2471
D 742	264P489010	RD16FB1
D 743	264P461010	EQA02-06AB
D 744	264P461010	EQA02-06AB
D 753	264P461010	EQA02-06AB
D 754	264P461010	EQA02-06AB
D 755	264P461010	EQA02-06AB
D 756	264P461010	EQA02-06AB
D 757	264P461010	EQA02-06AB
D 758	264P461010	EQA02-06AB
D 759	264P461010	EQA02-06AB
D 7F0	264P226010	PHOTO SFH205
D 7H0	264P212020	LN31GP. HL
D 7H0	264P272030	LN324GP1/LN324GP
D 7H1	264P212020	LN31GP. HL
D 7H2	264P212020	LN31GP. HL
D 7H3	264P238020	GL-5ND5
D 7H4	264P212020	LN31GP. HL
D 7H5	264P212020	LN31GP. HL
D 7H6	264P212020	LN31GP. HL
D 7H7	264P212020	LN31GP. HL
D 7H8	264P212020	LN31GP. HL
D 7H9	264P212020	LN31GP. HL
D 7J0	264P212020	LN31GP. HL
D 801	264P045040	1S2471
D 802	264P045040	1S2471
D 803	264P045040	1S2471
D 804	264P045040	1S2471
D 805	264P045040	1S2471
D 806	264P045040	1S2471
D 807	264P045040	1S2471
D 808	264P045040	1S2471
D 809	264P045040	1S2471
D 810	264P045040	1S2471
D 811	264P045040	1S2471
D 812	264P045040	1S2471
D 813	264P045040	1S2471
D 814	264P045040	1S2471
D 815	264P045040	1S2471

SYMBOL NO.	PART NO.	DESCRIPTION
D 816	264P045040	1S2471
D 817	264P045040	1S2471
D 818	264P045040	1S2471
D 825	264P045040	1S2471
D 826	264P045040	1S2471
D 827	264P045040	1S2471
D 828	264P045040	1S2471
D 836	264P045040	1S2471
D 837	264P045040	1S2471
D 839	264P460010	EQA02-05AB/RD4.7EB2
D 8A0	264P045040	1S2471
D 8A1	264P045040	1S2471
D 8A2	264P045040	1S2471
D 8A3	264P045040	1S2471
D 8A4	264P045040	1S2471
D 8A5	264P045040	1S2471
D 8A6	264P045040	1S2471
D 8A7	264P045040	1S2471
D 8A8	264P045040	1S2471
D 8A9	264P045040	1S2471
D 8B0	264P045040	1S2471
D 8B1	264P045040	1S2471
D 8B2	264P045040	1S2471
D 8B3	264P045040	1S2471
D 8B4	264P045040	1S2471
D 8B5	264P045040	1S2471
D 8B6	264P045040	1S2471
D 8B7	264P045040	1S2471
D 8B8	264P045040	1S2471
D 8B9	264P045040	1S2471
D 8C0	264P045040	1S2471
D 8C1	264P045040	1S2471
D 8C2	264P045040	1S2471
D 8C3	264P045040	1S2471
D 8C4	264P045040	1S2471
D 8C5	264P045040	1S2471
D 8C6	264P045040	1S2471
D 8C7	264P045040	1S2471
D 8C8	264P045040	1S2471
D 8C9	264P045040	1S2471
D 8D0	264P045040	1S2471
D 8D2	264P045040	1S2471
D 8D3	264P045040	1S2471
D 8D4	264P045040	1S2471
D 8D5	264P045040	1S2471
D 8D6	264P045040	1S2471
D 8D7	264P045040	1S2471
D 8D8	264P045040	1S2471
D 8D9	264P045040	1S2471
D 8E0	264P045040	1S2471
D 8E1	264P045040	1S2471
D 8E2	264P045040	1S2471
D 8E3	264P045040	1S2471
D 8E4	264P045040	1S2471

SYMBOL NO.	PART NO.	DESCRIPTION
D 8E5	264P045040	1S2471
D 8E6	264P045040	1S2471
D 8E7	264P045040	1S2471
D 8E8	264P045040	1S2471
D 8E9	264P045040	1S2471
D 8001	264P045040	1S2471
D 8002	264P045040	1S2471
D 8003	264P285010	S5500D
D 8004	264P285010	S5500D
D 8007	264P465050	EQA02-12A
D 80A1	264P045040	1S2471
D 80A2	264P045040	1S2471
D 80A5	264P045040	1S2471
D 80A6	264P045040	1S2471
D 80A9	264P045040	1S2471

OTHER SEMICONDUCTOR

SYMBOL NO.	PART NO.	DESCRIPTION
RT 701	265P083010	POSITIVE THERMISTOR 67R70U

FILTER

SYMBOL NO.	PART NO.	DESCRIPTION
LC650	409P163010	BAND PASS FILTER

DELAY LINES

SYMBOL NO.	PART NO.	DESCRIPTION
DL250	337P026080	DELAY LINE
DL2A3	337P108010	DELAY LINE
DL2A4	337P107010	DELAY LINE
DL650	337P048010	DELAY LINE

COILS

SYMBOL NO.	PART NO.	DESCRIPTION
	330P119020	DEFLECTION YOKE
	351P047030	LINE FILTER
	409B058020	CANCEL
	409B072010	DEGAUSSING
	409P413010	INLET-SC-NOISE FILTER
	411D017010	FERRITE CORE FILTER
	411D017020	FERRITE CORE FILTER
L 2A1	325C171030	PEAKING
L 2A2	325C106010	PEAKING 6.8μH-J
L 2A4	325C177030	PEAKING 68μH-J
L 451	335P004060	H-WIDTH
⚠ L 551	321D019010	RF 0.47μH-M
⚠ L 552	411P001010	FERRITE LEAD
⚠ L 553	409P006090	FILTER 4700μH-J
L 553	411D009020	FERRITE CORE FILTER
L 554	333P023010	H-LIN.
L 555	333P023010	H-LIN.
L 556	333P023010	H-LIN.
L 5A1	321C011040	RF 6800μH-J
L 5P1	325C111090	PEAKING 33μH-K
⚠ L 5T1	351P046010	CHOKE
⚠ L 5T2	411P001010	FERRITE LEAD
⚠ L 5T3	321D019010	RF 0.47μH-M
L 5T4	321C130090	RF 10μH-K

SYMBOL NO.	PART NO.	DESCRIPTION	
L 604	325C106050	PEAKING	15μH-J
L 605	325C106050	PEAKING	15μH-J
L 606	325C106050	PEAKING	15μH-J
L 650	325C106020	PEAKING	8.2μH-J
L 651	349P150010	DEMODULATOR	
L 6A1	325C105050	PEAKING	2.2μH-J
L 6A2	325C105050	PEAKING	2.2μH-J
L 6A3	325C105050	PEAKING	2.2μH-J
L 6A4	325C105090	PEAKING	4.7μH-J
L 6A5	325C105090	PEAKING	4.7μH-J
L 6A6	325C105090	PEAKING	4.7μH-J
L 6A7	411D012010	FERRITE CORE FILTER	
L 6A8	411D012010	FERRITE CORE FILTER	
L 6A9	411D012010	FERRITE CORE FILTER	
L 6B4	321C010010	RF	100μH-K
L 6B5	321C010010	RF	100μH-K
L 6B6	409P418010	CHOKE	
L 701	325C111030	PEAKING	10μH-K
L 703	325C111030	PEAKING	10μH-K
L 704	325C111030	PEAKING	10μH-K
L 705	325C111030	PEAKING	10μH-K
L 7F0	325C112050	PEAKING	
L 801	411D012010	FERRITE CORE FILTER	
L 802	411D012010	FERRITE CORE FILTER	
L 803	411D012010	FERRITE CORE FILTER	
L 804	411D012010	FERRITE CORE FILTER	
L 805	411D012010	FERRITE CORE FILTER	
L 8A0	411D012010	FERRITE CORE FILTER	
L 8A1	411D012010	FERRITE CORE FILTER	
L 8A2	411D012010	FERRITE CORE FILTER	
L 8A3	411D012010	FERRITE CORE FILTER	
L 8A4	411D012010	FERRITE CORE FILTER	
L 8A5	411D012010	FERRITE CORE FILTER	
L 8A6	411D012010	FERRITE CORE FILTER	
L 8A7	411D012010	FERRITE CORE FILTER	
L 8A8	411D012010	FERRITE CORE FILTER	
L 8A9	411D012010	FERRITE CORE FILTER	
L 8B0	411D012010	FERRITE CORE FILTER	
L 8B1	325C111030	PEAKING	10μH-K
L 8B2	325C111030	PEAKING	10μH-K
L 8B3	325C111030	PEAKING	10μH-K
L 8B4	325C111030	PEAKING	10μH-K
L 8B5	325C111030	PEAKING	10μH-K
L 8B6	411D012010	FERRITE CORE FILTER	
L 8B7	411D012010	FERRITE CORE FILTER	
L 8B8	411D012010	FERRITE CORE FILTER	
L 8B9	409P402060	EMI FILTER	
L 8C0	409P402060	EMI FILTER	
L 8C1	409P402060	EMI FILTER	
L 8001	411D009020	FERRITE CORE FILTER	
L 8002	325C101060	PEAKING	18μH-K
L 8003	325C106090	PEAKING	33μH-J
L 80A1	411D012010	FERRITE CORE FILTER	

SYMBOL NO.	PART NO.	DESCRIPTION
L 80A2	411D012010	FERRITE CORE FILTER
L 80A3	411D012010	FERRITE CORE FILTER
L 80A4	411D012010	FERRITE CORE FILTER
LC451	409P417010	EMI FILTER
LC452	409P417010	EMI FILTER
LC453	409P417010	EMI FILTER
LC454	409P417010	EMI FILTER
LC6A1	409P415010	EMI FILTER
LC6A2	409P417010	EMI FILTER
LC6A3	409P416010	EMI FILTER
LC6A4	409P416010	EMI FILTER
LC6A5	409P416010	EMI FILTER
LC6D1	409P415010	EMI FILTER

TRANSFORMERS

	350P383030	POWER
T 451	349P156040	PCC
T 551	336P018010	H.DRIVE
⚠ T 552	351P042010	H.OUTPUT
⚠ T 5T1	336P009040	H.DRIVE
⚠ T 5T2	334P151020	FLYBACK
T 650	349P138020	DL OUT

VARIABLE RESISTORS

	129P049010	VR-FOCUS	MHF141-30A
VR204	127C090090	VR-SEMIFIXED	1/5W B20KΩ-M
VR250	127C090080	VR-SEMIFIXED	1/5W B10KΩ-M
VR251	127C090080	VR-SEMIFIXED	1/5W B10KΩ-M
VR3A4	127C090080	VR-SEMIFIXED	1/5W B10KΩ-M
VR401	127C081030	VR-SEMIFIXED	1/10W B200KΩ-N
VR402	127C081030	VR-SEMIFIXED	1/10W B200KΩ-N
VR403	127C090080	VR-SEMIFIXED	1/5W B10KΩ-M
VR404	127C090080	VR-SEMIFIXED	1/5W B10KΩ-M
VR451	127C091020	VR-SEMIFIXED	1/5W B100KΩ-M
VR452	127C090030	VR-SEMIFIXED	1/5W B500Ω-M
VR453	127C090060	VR-SEMIFIXED	1/5W B3KΩ-M
VR4A1	127C091000	VR-SEMIFIXED	1/5W B30KΩ-M
VR4A2	127C090090	VR-SEMIFIXED	1/5W B20KΩ-M
VR4D1	127C081040	VR-SEMIFIXED	1/10W 300Ω-K
VR501	127C090090	VR-SEMIFIXED	1/5W B20KΩ-M
VR502	127C090090	VR-SEMIFIXED	1/5W B20KΩ-M
VR503	127C090090	VR-SEMIFIXED	1/5W B20KΩ-M
VR551	127C090080	VR-SEMIFIXED	1/5W B10KΩ-M
VR552	127C091000	VR-SEMIFIXED	1/5W B30KΩ-M
VR553	127C090050	VR-SEMIFIXED	1/5W B2KΩ-M
VR5A1	127C090010	VR-SEMIFIXED	1/5W B200Ω-M
VR5A2	127C090080	VR-SEMIFIXED	1/5W B10KΩ-M
VR5A3	127C090070	VR-SEMIFIXED	1/5W 85KΩ-M
VR5A4	127C090060	VR-SEMIFIXED	1/5W B3KΩ-M
VR5A5	127C091020	VR-SEMIFIXED	1/5W B100KΩ-M
VR5J1	127C081020	VR-SEMIFIXED	1/5W B100KΩ-M
VR5J2	127C080090	VR-SEMIFIXED	1/5W B20KΩ-M
VR5P1	127C090050	VR-SEMIFIXED	1/5W B2KΩ-M
VR5P2	127C090090	VR-SEMIFIXED	1/5W B20KΩ-M

SYMBOL NO.	PART NO.	DESCRIPTION	
VR5P3	127C090060	VR-SEMIFIXED	1/5W B3KΩ-M
VR5P4	127C090060	VR-SEMIFIXED	1/5W B3KΩ-M
VR5P5	127C090060	VR-SEMIFIXED	1/5W B3KΩ-M
VR5P6	127C090060	VR-SEMIFIXED	1/5W B3KΩ-M
VR5P7	127C090060	VR-SEMIFIXED	1/5W B3KΩ-M
⚠ VR5T1	129D130090	VR-SEMIFIXED	1/4W B10KΩ-M
⚠ VR5T2	129D130080	VR-SEMIFIXED	1/4W B50KΩ-M
VR5501	127C090030	VR-SEMIFIXED	1/5W B500Ω-M
VR5502	127C090030	VR-SEMIFIXED	1/5W B500Ω-M
VR650	127C090080	VR-SEMIFIXED	1/5W B10KΩ-M
VR651	127C090040	VR-SEMIFIXED	1/5W B1KΩ-M
VR6D1	127C191010	VR-SEMIFIXED	1/10W B50KΩ-M
VR6D2	127C191010	VR-SEMIFIXED	1/10W B50KΩ-M
VR6D3	127C191010	VR-SEMIFIXED	1/10W B50KΩ-M
VR7A1	120C332020	VR-PCB	1/20W B200KΩ-20N CS
VR7A2	127C081060	VR-SEMIFIXED	
VR8A0	127C080080	VR-SEMIFIXED	1/5W B10KΩ-M
VR8A1	127C080090	VR-SEMIFIXED	1/5W B20KΩ-M
VR8A2	127C080090	VR-SEMIFIXED	1/5W B20KΩ-M
VR8A3	127C080090	VR-SEMIFIXED	1/5W B20KΩ-M
VR8A4	127C091010	VR-SEMIFIXED	1/5W B50KΩ
VR8A5	127C090070	VR-SEMIFIXED	1/5W 85KΩ-M
VR8A6	127C090020	VR-SEMIFIXED	1/5W B300Ω-M
VR8A7	127C090020	VR-SEMIFIXED	1/5W B300Ω-M
VR8A8	127C091010	VR-SEMIFIXED	1/5W B50KΩ
VR8A9	127C090080	VR-SEMIFIXED	1/5W B10KΩ-M
VR8B0	127C090020	VR-SEMIFIXED	1/5W B300Ω-M

RESISTORS

⚠ R 3Q1	103C181090	METAL	2W 330Ω-J
⚠ R 3Q2	103P411030	CARBON	1/4W 100Ω-J
⚠ R 3Q3	103P414010	CARBON	1/4W 22KΩ-J
⚠ R 3S7	103P330010	CARBON	1/4W 10Ω-J
⚠ R 3S9	103P412050	CARBON	1/4W 1KΩ-J
⚠ R 3T1	103P410050	CARBON	1/4W 22KΩ-J
R 451	109D067040	CEMENT WIRE	10W 33Ω-J
R 481	103P458000	FUSE	2W 1Ω-K
⚠ R 588	103P415030	CARBON	1/4W 220KΩ-J
⚠ R 589	103C184000	METAL	2W 18KΩ-J
⚠ R 5T8	103P413070	CARBON	1/4W 10KΩ-J
⚠ R 5V1	103P412050	CARBON	1/4W 1KΩ-J
⚠ R 5V3	103P414000	CARBON	1/4W 18KΩ-J
⚠ R 5V4	103P144050	CARBON	1/2W 47KΩ-J
⚠ R 5V5	103P412090	CARBON	1/4W 2.2KΩ-J
⚠ R 5Y3	103P338010	CARBON	1/4W 1.2KΩ-J
⚠ R 5574	103P392050	FUSE	1/2W 1KΩ-J
⚠ R 6H4	109D095040	CEMENT METAL	10W 2.7KΩ-K
⚠ R 6H5	109D095040	CEMENT METAL	10W 2.7KΩ-K
⚠ R 6H6	109D095040	CEMENT METAL	10W 2.7KΩ-K
⚠ R 6K4	103C181070	METAL	2W 220Ω-J
⚠ R 6K5	103C181070	METAL	2W 220Ω-J
⚠ R 6K6	103C181070	METAL	2W 220Ω-J
⚠ R 6Q1	103P438040	FUSE METAL	2W 2.2KΩ
R 703	103P564010	NETWORK	1/8W 22KΩ-JX6
R 708	103P543070	NETWORK	1/8W 10KΩ-JX4
R 753	103P543070	NETWORK	1/8W 10KΩ-JX4
R 754	103P553070	NETWORK	1/8W 10KΩ-JX5
R 763	103P573010	NETWORK	1/8W 3.3KΩ-JX7
R 765	103P553010	NETWORK	1/8W 3.3KΩ-JX5
R 786	103P591080	NETWORK	1/8W 270Ω-JX9

CAPACITORS AND TRIMMERS

⚠ C 3H1	142P023070	CERAMIC	F50V 4700PF-Z
⚠ C 3H2	142P023070	CERAMIC	F50V 4700PF-Z
⚠ C 3H3	181P208000	ELECTROLYTIC	04W 35V 1000μF-M
⚠ C 3H4	181P203080	ELECTROLYTIC	04W 25V 1000μF-M
⚠ C 3H6	142P023070	CERAMIC	F50V 4700PF-Z
⚠ C 3H7	142P023070	CERAMIC	F50V 4700PF-Z
⚠ C 3H8	181P200020	ELECTROLYTIC	04W 35V 2200μF-M
⚠ C 3K5	181P206030	ELECTROLYTIC	04W 50V 1000μF-M
⚠ C 3K6	142P023070	CERAMIC	F50V 4700PF-Z
⚠ C 3K7	142P023070	CERAMIC	F50V 4700PF-Z
⚠ C 3K8	181P203030	ELECTROLYTIC	04W 25V 47μF-M
⚠ C 3K9	142P023080	CERAMIC	F50V 0.01μF-Z
⚠ C 5U8	181P124040	ELECTROLYTIC-NP	04D 50V 10μF-M NP
⚠ C 5V7	181P124040	ELECTROLYTIC-NP	04D 50V 10μF-M NP
C 711	149D811040	CR-MULTIPLE	B50V 560PF-K
C 717	149D811040	CR-MULTIPLE	B50V 560PF-K
C 724	149D811070	CR-MULTIPLE	B50V 100PF-K
VC650	202P109030	TRIMMER CAPACITOR	5.5PF-30PF

SWITCHES

	432C040090	PUSH
S 451	434C021010	LEVER
S 4D1	434C021010	LEVER
S 501	434C021010	LEVER
S 551	431C060010	SLIDE
S 552	431C059020	SLIDE
S 601	434C021010	LEVER
S 602	434C021010	LEVER
S 603	434C021010	LEVER
S 7A1	431C067010	SLIDE
S 7A2	431C068030	SLIDE
S 7A3	432P101030	KEY BOARD
S 7A4	432P083010	PUSH
S 7A5	432P083010	PUSH
S 7A6	432P083010	PUSH
S 7A7	432P083010	PUSH
S 7A8	432P083010	PUSH
S 7A9	432P101030	KEY BOARD
S 7B0	432P101030	KEY BOARD
S 7B1	432P101030	KEY BOARD
S 7B2	432P084020	PUSH
S 7B3	432P083010	PUSH
S 7B4	432P083010	PUSH
S 7B5	432P083010	PUSH
S 7B6	432P083010	PUSH

SYMBOL NO.	PART NO.	DESCRIPTION	
S 7B7	432P083010	PUSH	
S 7B8	432P083010	PUSH	
S 7B9	432P083010	PUSH	
S 7C0	432P084020	PUSH	
S 7C1	432P084020	PUSH	
S 7C2	432P084020	PUSH	
S 8001	434C021010	LEVER	
S 991	432P076030	PUSH	

MISCELLANEOUS

SYMBOL NO.	PART NO.	DESCRIPTION	
	288P085010	FAN-MOTOR	
	338P024020	CPM ASSY	
	449C085010	CRT SOCKET	
	480P638010	SPEAKER	
	641D758010	WEDGE	
	920P005020	HV BLOCK	
AG5501	224D019040	AIR GAP	2KV
RY455	287P047010	POWER RELAY	
RY551	287P022030	RELAY	POWER G4W-1112P-US
RY552	287P022030	RELAY	POWER G4W-1112P-US
RY553	287P022030	RELAY	POWER G4W-1112P-US
RY554	287P022030	RELAY	POWER G4W-1112P-US
RY5T1	287P022030	RELAY	POWER G4W-1112P-US
X 650	285P011010	CRYSTAL RESONATOR	4.434NHz
X 701	285P029020	CRYSTAL RESONATOR	HC-49/U 4.0NHz

PRINTED CIRCUIT BOARDS

SYMBOL NO.	PART NO.	DESCRIPTION
⚠	920A331050	DEFL PCB ASSY
⚠	920D099010	CRT PCB ASSY
⚠	920D123050	SCAN PCB ASSY
⚠	930B210050	SVM PCB ASSY
⚠	930B245050	RGB PCB ASSY
⚠	930B254050	AUDIO PCB ASSY
⚠	930B315010	VCJ PCB ASSY
⚠	930C189010	VIDEO-AMP PCB ASSY
⚠	930C190050	CONTROL PCB ASSY
⚠	930C191050	LED PCB ASSY
⚠	930C192050	AV PCB ASSY
⚠	930C198010	DBF PCB ASSY
⚠	930C233050	RGB-FV PCB ASSY
⚠	939P256010	POWER UNIT-1
⚠	939P257010	POWER UNIT-2
⚠	939P258010	POWER UNIT-3

MECHANICAL PARTS

SYMBOL NO.	PART NO.	DESCRIPTION	
	669D221020	SCREW	SCREW-TB(10P)
	669D221040	SCREW	SCREW-TB(10P)
	669D222020	SCREW	3X8(10P)
	669D222060	SCREW	3X16(10P)

COSMETIC PARTS

SYMBOL NO.	PART NO.	DESCRIPTION
	440B071050	TERMINAL BOARD
	440B071060	TERMINAL BOARD

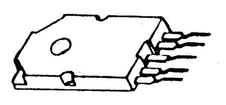
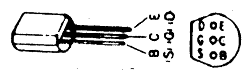
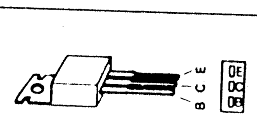
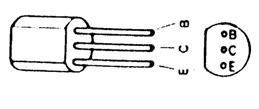
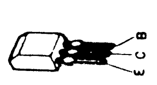
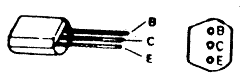
SYMBOL NO.	PART NO.	DESCRIPTION
	701A359060	FRONT PANEL ASSY
	702A184070	GRILLE SP
	702C698010	COVER-DG
	704C372090	PLATE
	704C493060	POWER KNOB
	712C522030	DOOR ASSY
	734D294020	KNOB
	734D339010	PUSH KNOB
	734D344010	PUSH KNOB
	734D346010	SLIDE KNOB
	734D368010	PUSH KNOB
	761B106020	CRT COVER
	761C273010	DOOR CATCH
	762B247020	BACK BOARD ASSY
	960D074080	CABINET

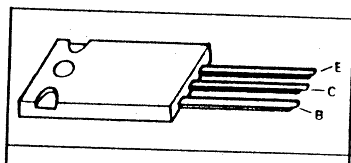
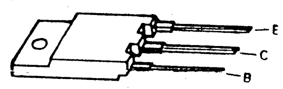
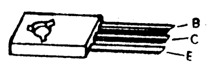
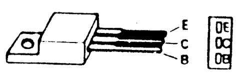
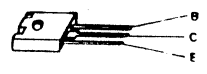
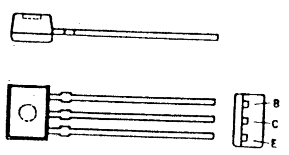
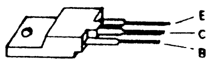
PACKING PARTS AND ACCSESSORY

SYMBOL NO.	PART NO.	DESCRIPTION
	802B172020	PACKING CASE
	802B172030	PACKING CASE
	802B172050	PACKING CASE
	802B172080	PACKING CASE
	802B172090	PACKING CASE
	803C259040	PACKING CUSHION
	829D135070	CUSHION SHEET
	831D110090	PACKING BAG
	831D174090	PACKING BAG
	857D012030	SHEET
	871C242040	INSTRUCTION BOOK
	939P215050	REMOTE HAND UNIT
	871C345090	SERVICE MANUAL

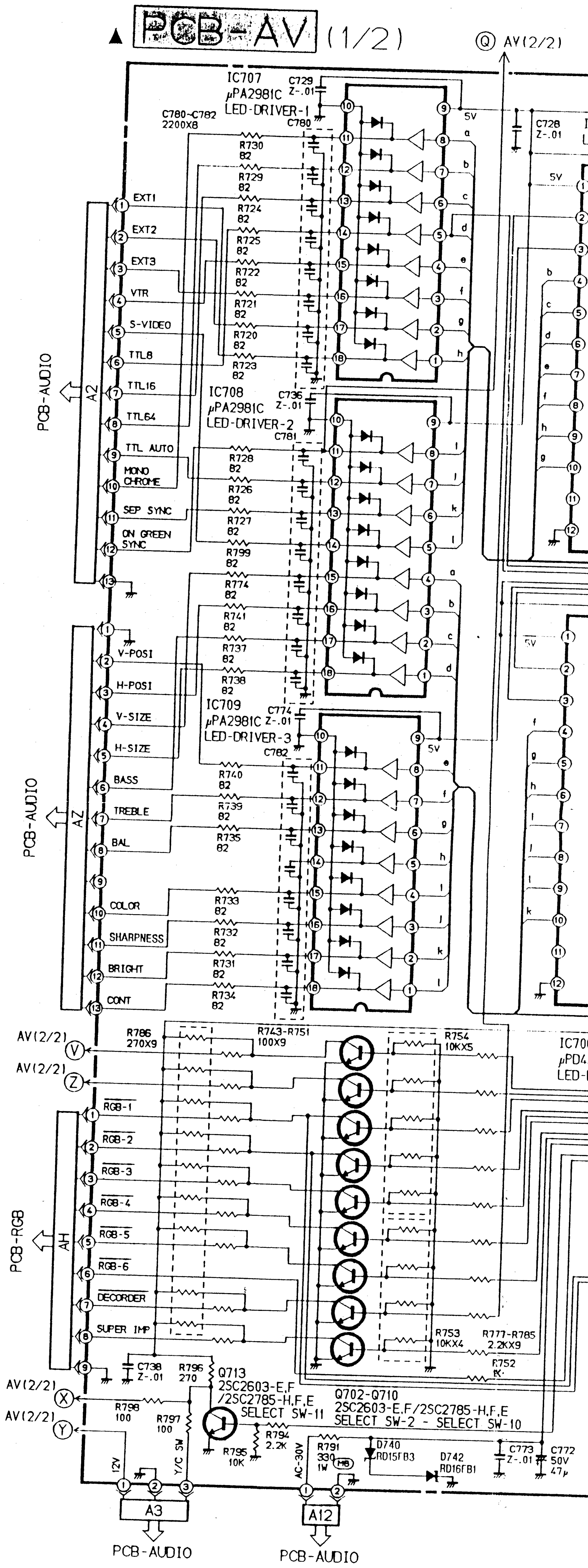
MAGNET AND JIG

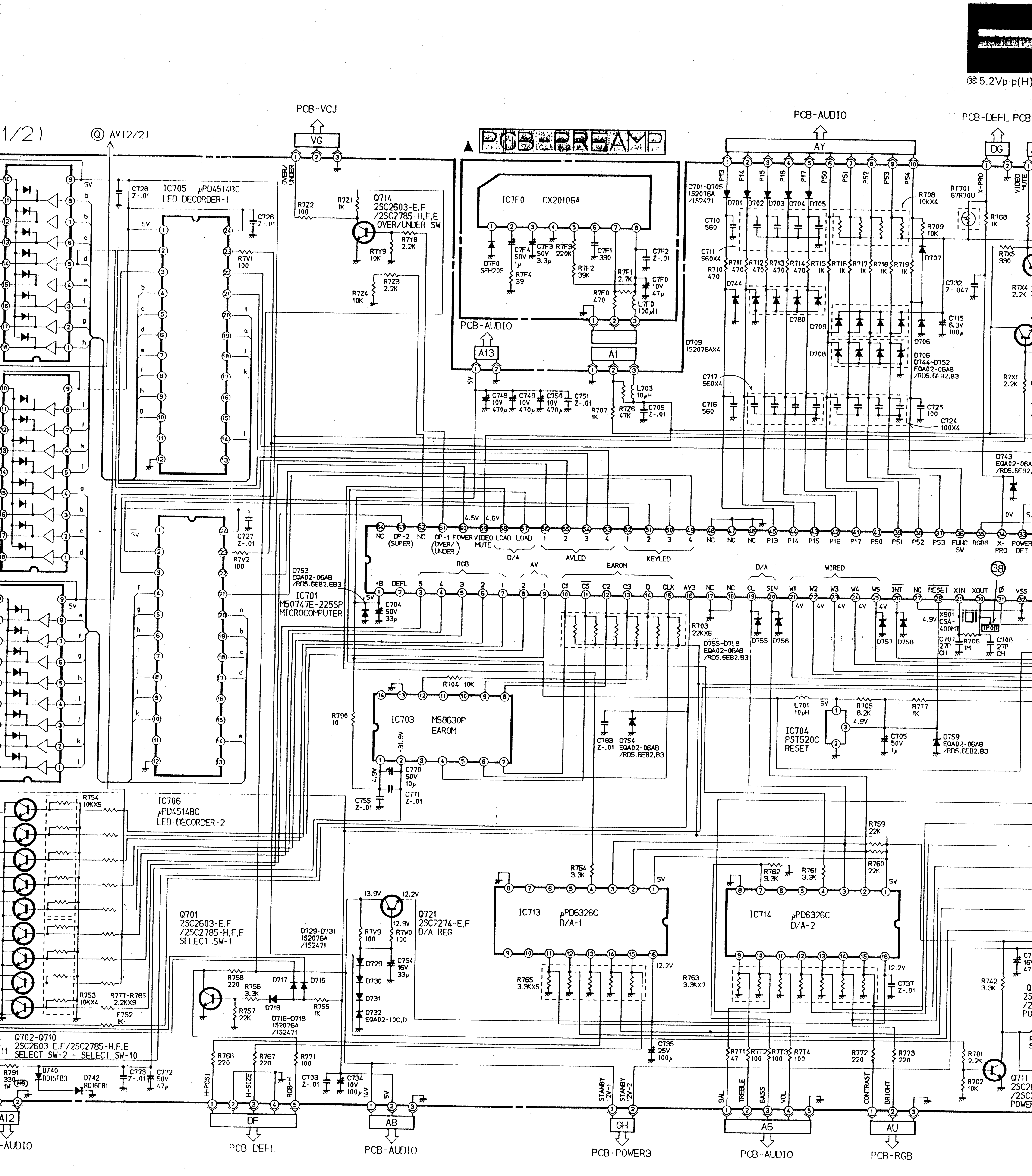
SYMBOL NO.	PART NO.	DESCRIPTION
	412D023010	MAGNET PLATE
	412D024010	"C"TYPE MAGNET
	461D033020	MAGNET GUN
	859C358000	HEX DRIVER KIT-PART
	859C358010	CRT-JACK-PART
	859C358020	TYPE BOX DRIVER

	STR45111 STR53041
 E C B S G D OE OC OB	2SC710 2SC763
	2SB885 2SC2073 2SD401
	2SA673※ 2SA950 2SA1038 2SA1091 2SA1123 2SA1371 2SA2655 2SC1213※ 2SC1214 2SC2229 2SC2236 2SC2274 2SC2389 2SC2482 2SC2631 2SC2901 2SC3468
	2SA673※ 2SC1213※
	2SA1115 2SC2603 2SC2724

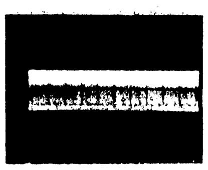
	2SC3997
	2SD1881
	2SC2611 2SC2688 2SC3598
	2SA958 2SB940 2SC1826 2SC1983 2SC2168 2SC3183 2SC4256 2SD386 2SD1264
	2SC3789
	2SA1175 2SC2785
	2SD1555

※2SA673,2SC1213 has two type of shapes as shown in.

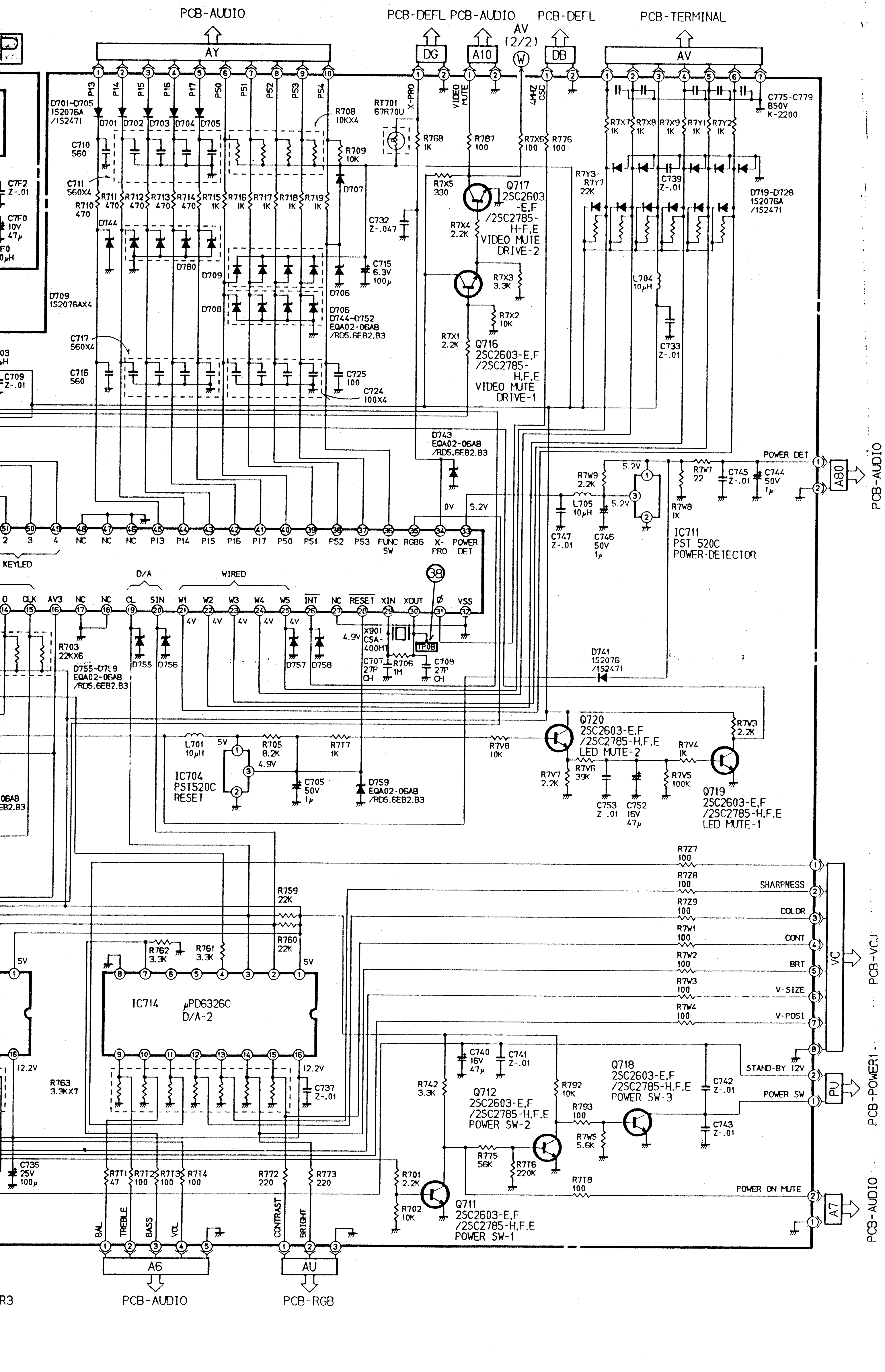

PCB-AV (1/2)
Q AV(2/2)
IC707
μPA2981C
LED-DRIVER-1
C729 Z-.01
C780-C782 2200X8
C780
C728 Z-.01
5V
R730 82
R729 82
R724 82
R725 82
R722 82
R721 82
R720 82
R723 82
EXT1
EXT2
EXT3
VTR
S-VIDEO
TTL8
TTL16
TTL64
TTL AUTO
MONO CHROME
SEP SYNC
ON GREEN SYNC
PCB-AUDIO
A2
IC708
μPA2981C
LED-DRIVER-2
C736 Z-.01
C781
R728 82
R726 82
R727 82
R799 82
R774 82
R741 82
R737 82
R738 82
V-POSI
H-POSI
V-SIZE
H-SIZE
BASS
TREBLE
BAL
COLOR
SHARPNESS
BRIGHT
CONT
PCB-AUDIO
AZ
IC709
μPA2981C
LED-DRIVER-3
C774 Z-.01
C782
R740 82
R739 82
R735 82
R733 82
R732 82
R731 82
R734 82
AV(2/2) V
AV(2/2) Z
R786 270X9
R743-R751 100X9
R754 10KX5
RGB-1
RGB-2
RGB-3
RGB-4
RGB-5
RGB-6
DECORDER
SUPER IMP
PCB-RGB
AH
R753 10KX4
R777-R785 2.2KX9
R752 1K
C738 Z-.01
R796 270
Q713
2SC2603-E,F
/2SC2785-H,F,E
SELECT SW-11
Q702-Q710
2SC2603-E,F/2SC2785-H,F,E
SELECT SW-2 - SELECT SW-10
AV(2/2) X
AV(2/2) Y
R798 100
R797 100
R795 10K
R794 2.2K
R791 330 1W
D740 RD15FB3
D742 RD16FB1
C773 Z-.01
C772 50V 47μ
12V
Y/C SW
AC-30V
A3
A12
PCB-AUDIO
PCB-AUDIO
IC70
μPD4
LED-


㊳5.2Vp-p(H)
1/2)
Ⓠ AV(2/2)
PCB-VCJ
VG
OVER/UNDER
PCB-PREAMP
PCB-AUDIO
AY
PCB-DEFL
DG
IC705 μPD4514BC LED-DECORDER-1
IC706 μPD4514BC LED-DECORDER-2
Q714 2SC2603-E,F /2SC2785-H,F,E OVER/UNDER SW
IC7F0 CX20106A
D7F0 SFH205
A13
A1
L703 10μH
D701-D705 1S2076A /1S2471
D709 1S2076AX4
D706 D744-D752 EQA02-06AB /RD5.6EB2,B3
RT701 67R70U
X-PRO
VIDEO MUTE
D743 EQA02-06AB /RD5.6EB2
IC701 M50747E-225SP MICROCOMPUTER
D753 EQA02-06AB /RD5.6EB2,EB3
OP-2 (SUPER)
OP-1 (OVER/UNDER)
POWER
VIDEO MUTE
LOAD
D/A
AV
AVLED
EAROM
KEYLED
RGB
DEFL
FUNC SW
RGB6
X-PRO
POWER DET
WIRED
RESET
XIN
XOUT
X901 CSA-400MT
TP08
R703 22KX6
D755-D758 EQA02-06AB /RD5.6EB2,B3
IC703 M58630P EAROM
IC704 PST520C RESET
D759 EQA02-06AB /RD5.6EB2,B3
D754 EQA02-06AB /RD5.6EB2,B3
Q701 2SC2603-E,F /2SC2785-H,F,E SELECT SW-1
Q702-Q710 2SC2603-E,F/2SC2785-H,F,E SELECT SW-2 - SELECT SW-10
D729-D731 1S2076A /1S2471
D732 EQA02-10C,D
Q721 2SC2274-E,F D/A REG
D716-D718 1S2076A /1S2471
IC713 μPD6326C D/A-1
IC714 μPD6326C D/A-2
R765 3.3KX5
R763 3.3KX7
Q711 2SC2 /2SC2 POWER
D740 RD15FB3
D742 RD16FB1
H-POSI
H-SIZE
RGB-H
STANBY 12V-1
STANBY 12V-2
BAL
TREBLE
BASS
VOL
CONTRAST
BRIGHT
A12
DF
A8
GH
A6
AU
-AUDIO
PCB-DEFL
PCB-AUDIO
PCB-POWER3
PCB-AUDIO
PCB-RGB

CHASSIS WAVEFORMS



(38) 5.2Vp-p(H)


PCB-AUDIO
AY
PCB-DEFL
DG
PCB-AUDIO
A10
AV (2/2)
W
PCB-DEFL
DB
PCB-TERMINAL
AV
P13 P14 P15 P16 P17 P50 P51 P52 P53 P54
X-PRO
VIDEO MUTE
4MHZ OSC
D701-D705 1S2076A /1S2471
R708 10KX4
R709 10K
RT701 67R70U
R768 1K
R787 100
R7X6 100
R776 100
C775-C779 B50V K-2200
R7X7 1K R7X8 1K R7X9 1K R7Y1 1K R7Y2 1K
C710 560
C711 560X4
R710 470
R711 470 R712 470 R713 470 R714 470
R715 1K R716 1K R717 1K R718 1K R719 1K
D707
R7X5 330
Q717 2SC2603-E,F /2SC2785-H-F,E VIDEO MUTE DRIVE-2
R7X4 2.2K
C732 Z-.047
R7Y3-R7Y7 22K
C739 Z-.01
D719-D728 1S2076A /1S2471
C7F2 Z-.01
C7F0 10V 47μ
D744
D780
D709
C715 6.3V 100μ
R7X3 3.3K
D706
D708
D706 D744-D752 EQA02-06AB /RD5.6EB2.B3
D709 1S2076AX4
R7X2 10K
L704 10μH
C717 560X4
R7X1 2.2K
Q716 2SC2603-E,F /2SC2785-H,F,E VIDEO MUTE DRIVE-1
C733 Z-.01
C716 560
C709 Z-.01
C725 100
C724 100X4
D743 EQA02-06AB /RD5.6EB2.B3
POWER DET
A80
PCB-AUDIO
R7W9 2.2K
5.2V
R7W7 22
C745 Z-.01
C744 50V 1μ
L705 10μH
R7W8 1K
0V
5.2V
C747 Z-.01
C746 50V 1μ
IC711 PST 520C POWER-DETECTOR
NC NC NC P13 P14 P15 P16 P17 P50 P51 P52 P53 FUNC SW RGB6 X-PRO POWER DET
KEYLED
D/A
WIRED
D CLK AV3 NC NC CL SIN W1 W2 W3 W4 W5 INT NC RESET XIN XOUT Ø VSS
(38)
4V 4V 4V 4V 4V
4.9V
X901 CSA-400MT
TP08
R703 22KX6
D755-D758 EQA02-06AB /RD5.6EB2.B3
D755 D756 D757 D758
C707 27P CH
R706 1M
C708 27P CH
D741 1S2076 /1S2471
Q720 2SC2603-E,F /2SC2785-H,F,E LED MUTE-2
R7V3 2.2K
L701 10μH
5V
R705 8.2K
4.9V
R717 1K
R7V8 10K
R7V4 1K
IC704 PST520C RESET
C705 50V 1μ
D759 EQA02-06AB /RD5.6EB2.B3
R7V7 2.2K
R7V6 39K
R7V5 100K
C753 Z-.01
C752 16V 47μ
Q719 2SC2603-E,F /2SC2785-H,F,E LED MUTE-1
R7Z7 100
R7Z8 100
SHARPNESS
R759 22K
R7Z9 100
COLOR
R760 22K
R7W1 100
CONT
R762 3.3K
R761 3.3K
5V
R7W2 100
BRT
VC
PCB-VCJ
5V
R7W3 100
V-SIZE
IC714 μPD6326C D/A-2
R7W4 100
V-POSI
C740 16V 47μ
C741 Z-.01
Q718 2SC2603-E,F /2SC2785-H,F,E POWER SW-3
STAND-BY 12V
12.2V
12.2V
R763 3.3KX7
R742 3.3K
Q712 2SC2603-E,F /2SC2785-H,F,E POWER SW-2
R792 10K
C742 Z-.01
C737 Z-.01
R793 100
POWER SW
PU
PCB-POWER1
R7W5 5.6K
C743 Z-.01
C735 25V 100μ
R775 56K
R7T6 220K
R7T1 47 R7T2 100 R7T3 100 R7T4 100
R772 220 R773 220
R701 2.2K
R7T8 100
POWER ON MUTE
A7
PCB-AUDIO
R702 10K
Q711 2SC2603-E,F /2SC2785-H,F,E POWER SW-1
BAL TREBLE BASS VOL
CONTRAST BRIGHT
A6
AU
PCB-AUDIO
PCB-RGB
R3

MODEL : EUM-3741A

NOTE 1:

1. The unit of resistance "ohm" no symb
   Accordingly, K = 1000 ohm
   M = 1000K oh
2. The wattage of resistor, if not specifi
   watt.
3. Resistors, if not specifically designate
4. The marks of resistors are as follows:

CE	:	Cemented resistor
MB	:	Metal oxide film resistor
MPC	:	Metal plate cement resist
Ⓢ	:	Fixed composition resist
Ⓦ	:	Wire wound resistor
Ⓜ	:	Metal film resistor

5. The tolerance of resistor value is:
   Not specified=±5%, K=±10% M=±20%
6. The unit of capacitance, if not spec
   a) μF, for numbers less than 1
   b) PF, for numbers more than 1
7. Capacitors, if not specifically designat
   tors except electrolytic capacitors.
8. The marks of capacitors are as follows:

ALM	:	Aluminus electrolytic cap
MF	:	Polyester capacitor
PP	:	Polypropylene film capac
TANT	:	Tantalum capacitor
TF	:	Twin film capacitor.
MF.PP	:	Polyester polypropylene
MPP	:	Metallize plastic film cap
NP	:	Non polarized electrolyti
⏉	:	Electrolytic capacitor

9. The DC working voltage of capacitor, i
   nated is: 50V
10. The tolerance of capacitor value, if
    nated is: ±10% for polyester capacitor
    ±5% for ceramic capacitor

    and J =±5% K =±10% M =±20% P =

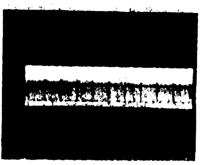
    C =±0.25PF D = ±0.5PF F =±1PI

SPECIFIC SYMBO			
	Zener Diode		Va
	Varicap		C
	Posistor		A
	Thermistor		Pa or
	Fusible Resistor		of Ce

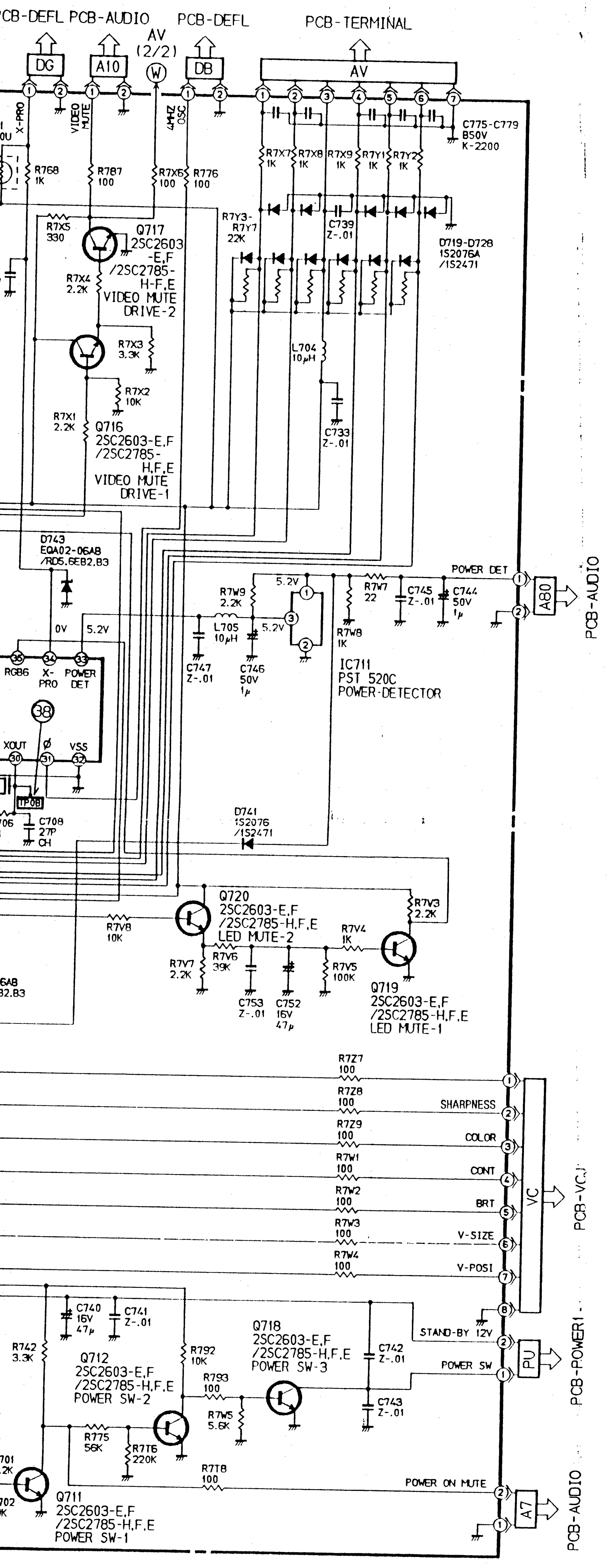
1. DC voltages were measured from points
   cuit ground with a high-Z voltmeter.
2. This is a basic schematic diagram. Some
   to modification according to engineerin
3. Waveforms:
   COMPOSITE=VIDEO SIGNAL(PAL co
   TTL=EGA21.8KHz(8 colour b
   ANALOG =EGA21.8KHz(8 colour b

⚠ SERVING PRECAUTION

SYMBOLS INDICATE COMPONENTS CHARACTERISTICS IMPORTANT T PERFORMANCE. THERFORE REPLA SAFETY PARTS SHOULD BE IDENTIC CHARACTERISTICS . FOR ACCU REPLACEMENT REFER TO THE PARTS MANUAL.
DON'T DEGRADE THE SAFETY OF THROUGH IMPROPER SERVICING.



㊳5.2Vp-p(H)


PCB-DEFL
PCB-AUDIO
AV (2/2)
PCB-DEFL
PCB-TERMINAL
DG
A10
W
DB
AV
X-PRO
VIDEO MUTE
4MHZ OSC
C775-C779 B50V K-2200
R768 1K
R787 100
R7X6 100
R776 100
R7X7 1K
R7X8 1K
R7X9 1K
R7Y1 1K
R7Y2 1K
R7Y3-R7Y7 22K
C739 Z-.01
D719-D728 1S2076A /1S2471
R7X5 330
Q717 2SC2603-E,F /2SC2785-H-F,E VIDEO MUTE DRIVE-2
R7X4 2.2K
R7X3 3.3K
R7X2 10K
R7X1 2.2K
Q716 2SC2603-E,F /2SC2785-H,F,E VIDEO MUTE DRIVE-1
L704 10μH
C733 Z-.01
D743 EQA02-06AB /RD5.6EB2.B3
POWER DET
R7W9 2.2K
5.2V
R7W7 22
C745 Z-.01
C744 50V 1μ
A80
PCB-AUDIO
0V
5.2V
L705 10μH
C747 Z-.01
C746 50V 1μ
R7W8 1K
IC711 PST 520C POWER-DETECTOR
RGB6
X-PRO
POWER DET
㊳
XOUT
Ø
VSS
TP08
C708 27P CH
D741 1S2076 /1S2471
Q720 2SC2603-E,F /2SC2785-H,F,E LED MUTE-2
R7V3 2.2K
R7V8 10K
R7V4 1K
R7V7 2.2K
R7V6 39K
R7V5 100K
C753 Z-.01
C752 16V 47μ
Q719 2SC2603-E,F /2SC2785-H,F,E LED MUTE-1
R7Z7 100
R7Z8 100
SHARPNESS
R7Z9 100
COLOR
R7W1 100
CONT
R7W2 100
BRT
R7W3 100
V-SIZE
R7W4 100
V-POSI
VC
PCB-VCJ
C740 16V 47μ
C741 Z-.01
R742 3.3K
Q712 2SC2603-E,F /2SC2785-H,F,E POWER SW-2
R792 10K
Q718 2SC2603-E,F /2SC2785-H,F,E POWER SW-3
C742 Z-.01
STAND-BY 12V
POWER SW
PU
PCB-POWER1
R793 100
R7W5 5.6K
C743 Z-.01
R775 56K
R7T6 220K
R7T8 100
POWER ON MUTE
A7
PCB-AUDIO
Q711 2SC2603-E,F /2SC2785-H,F,E POWER SW-1

MODEL : EUM-3741A

NOTE 1:

1. The unit of resistance "ohm" no symbol.
   Accordingly, K = 1000 ohms
   M = 1000K ohms.
2. The wattage of resistor, if not specifically designated, is 1/4 watt.
3. Resistors, if not specifically designated, are carbon resistors.
4. The marks of resistors are as follows:
   CE : Cemented resistor
   MB : Metal oxide film resistor (type B)
   MPC : Metal plate cement resistor.
   Ⓢ : Fixed composition resistor
   Ⓦ : Wire wound resistor
   Ⓜ : Metal film resistor
5. The tolerance of resistor value is:
   Not specified=±5%, K=±10% M=±20%
6. The unit of capacitance, if not specifically designated, is:
   a) μF, for numbers less than 1
   b) PF, for numbers more than 1
7. Capacitors, if not specifically designated are Ceramic capacitors except electrolytic capacitors.
8. The marks of capacitors are as follows:
   ALM : Aluminus electrolytic capacitor
   MF : Polyester capacitor
   PP : Polypropylene film capacitor
   TANT : Tantalum capacitor
   TF : Twin film capacitor.
   MF,PP : Polyester polypropylene film capacitor.
   MPP : Metallize plastic film capacitor.
   NP : Non polarized electrolytic capacitor.
   ⊥ : Electrolytic capacitor
9. The DC working voltage of capacitor, if not specifically designated is: 50V
10. The tolerance of capacitor value, if not specifically designated is: ±10% for polyester capacitor
    ±5% for ceramic capacitor

and J =±5% K =±10% M =±20% $P = {}^{+100\%}_{-\ 0\%}$

C =±0.25PF D = ±0.5PF F =±1PF $Z = {}^{+80\%}_{-20\%}$ N=±30%

SPECIFIC SYMBOL	
Zener Diode	Varistor
Varicap	Crystal unit
Posistor	Air Gap
Thermistor	Part (resistor) attached on the copper-foil side of PCB
Fusible Resistor	Ceramic filter

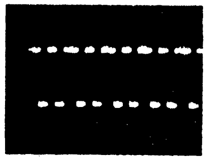
1. DC voltages were measured from points indicated to the circuit ground with a high-Z voltmeter.
2. This is a basic schematic diagram. Some sets may be subject to modification according to engineering Improvment.
3. Waveforms:
   COMPOSITE=VIDEO SIGNAL(PAL colour bar signal)
   TTL=EGA21.8KHz(8 colour bar signal)
   ANALOG =EGA21.8KHz(8 colour bar signal)

⚠ SERVING PRECAUTION

SYMBOLS INDICATE COMPONENTS HAVING SPECIAL CHARACTERISTICS IMPORTANT TO SAFETY AND PERFORMANCE. THERFORE REPLACEMENT OF ANY SAFETY PARTS SHOULD BE IDENTICAL IN VALUE AND CHARACTERISTICS . FOR ACCURACY OF THE REPLACEMENT REFER TO THE PARTS LIST OF SERVICE MANUAL.

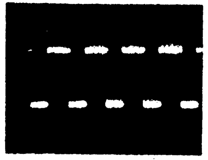
DON'T DEGRADE THE SAFETY OF THE RECEIVERS THROUGH IMPROPER SERVICING.

ANALOG



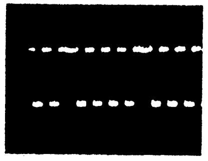
⑥① 0.8Vp-p(H)

ANALOG



⑥② 0.7Vp-p(H)

ANALOG

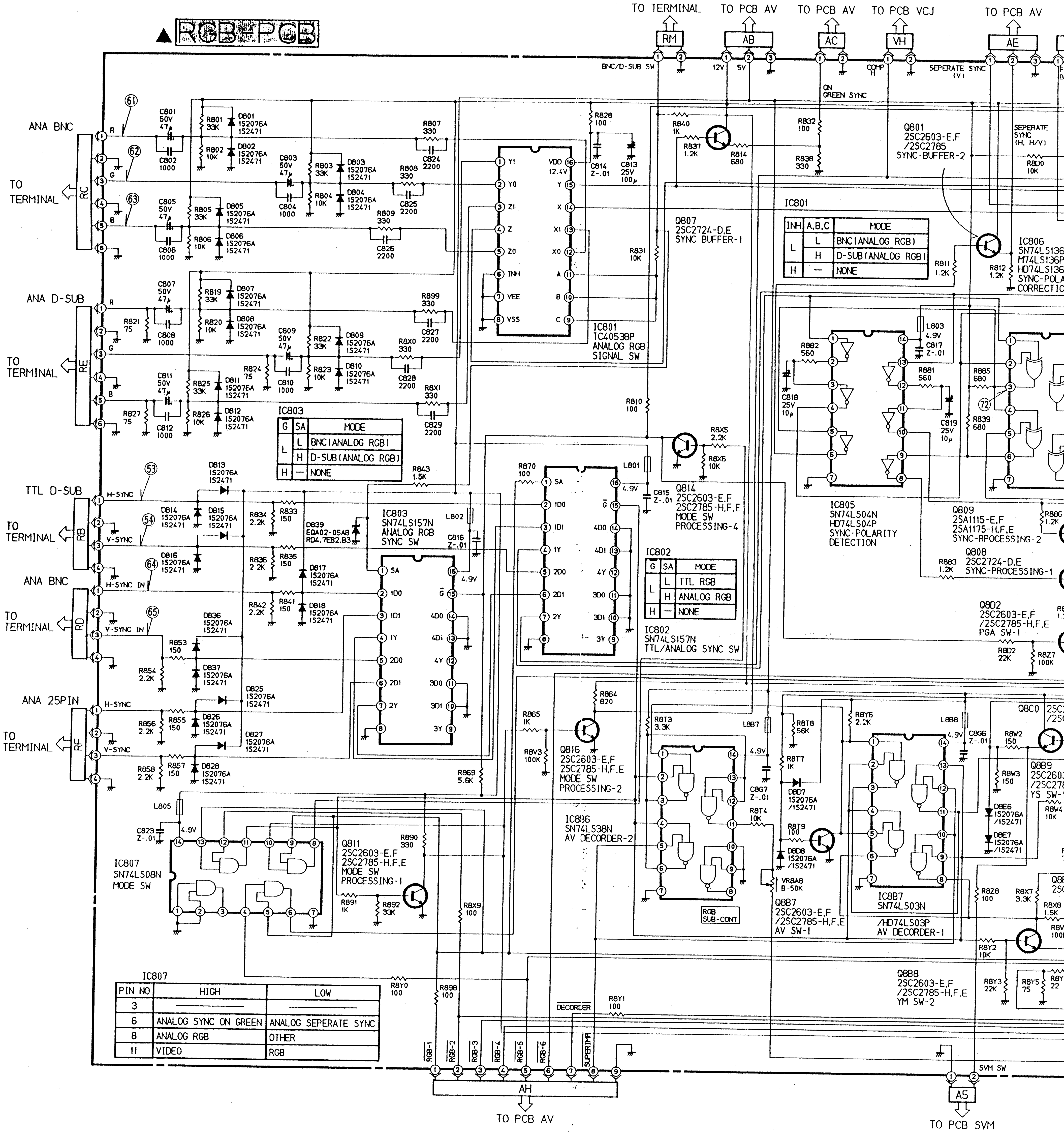


⑥③ 0.7Vp-p(H)

ANALOG

⑦② 1.3Vp-p(H)

▲ RGB PCB


TO TERMINAL
RM
TO PCB AV
AB
TO PCB AV
AC
TO PCB VCJ
VH
TO PCB AV
AE
BNC/D-SUB SW
12V
5V
COMP H
ON GREEN SYNC
SEPERATE SYNC (V)
SEPERATE SYNC (H, H/V)
ANA BNC
TO TERMINAL
RC
ANA D-SUB
TO TERMINAL
RE
TTL D-SUB
TO TERMINAL
RB
H-SYNC
V-SYNC
ANA BNC
TO TERMINAL
RD
H-SYNC IN
V-SYNC IN
ANA 25PIN
TO TERMINAL
RF
IC801
TC4053BP
ANALOG RGB SIGNAL SW
Q807
2SC2724-D,E
SYNC BUFFER-1
Q801
2SC2603-E,F
/2SC2785
SYNC-BUFFER-2
IC806
SN74LS136
M74LS136P
HD74LS136
SYNC-POLARITY CORRECTION
IC803
SN74LS157N
ANALOG RGB SYNC SW
Q814
2SC2603-E,F
2SC2785-H,F,E
MODE SW PROCESSING-4
IC802
SN74LS157N
TTL/ANALOG SYNC SW
IC805
SN74LS04N
HD74LS04P
SYNC-POLARITY DETECTION
Q809
2SA1115-E,F
2SA1175-H,F,E
SYNC-RPOCESSING-2
Q808
2SC2724-D,E
SYNC-PROCESSING-1
Q802
2SC2603-E,F
/2SC2785-H,F,E
PGA SW-1
Q816
2SC2603-E,F
2SC2785-H,F,E
MODE SW PROCESSING-2
IC886
SN74LS38N
AV DECORDER-2
Q811
2SC2603-E,F
2SC2785-H,F,E
MODE SW PROCESSING-1
IC807
SN74LS08N
MODE SW
Q887
2SC2603-E,F
/2SC2785-H,F,E
AV SW-1
RGB SUB-CONT
VR8A8
B-50K
IC887
SN74LS03N
/HD74LS03P
AV DECORDER-1
Q888
2SC2603-E,F
/2SC2785-H,F,E
YM SW-2
Q8B9
YS SW
DECORDER
RGB-1
RGB-2
RGB-3
RGB-4
RGB-5
RGB-6
SUPERIMA
AH
TO PCB AV
SVM SW
A5
TO PCB SVM
4.9V
12.4V

IC801

INH	A,B,C	MODE
L	L	BNC(ANALOG RGB)
	H	D-SUB(ANALOG RGB)
H	—	NONE

IC803

G	SA	MODE
L	L	BNC(ANALOG RGB)
	H	D-SUB(ANALOG RGB)
H	—	NONE

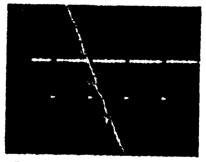
IC802

G	SA	MODE
L	L	TTL RGB
	H	ANALOG RGB
H	—	NONE

IC807

PIN NO	HIGH	LOW
3	———	———
6	ANALOG SYNC ON GREEN	ANALOG SEPERATE SYNC
8	ANALOG RGB	OTHER
11	VIDEO	RGB

TTL

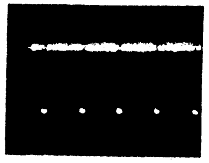


⑤③ 6.0Vp-p(H)

TTL

⑤④ 4.8Vp-p(V)

ANALOG

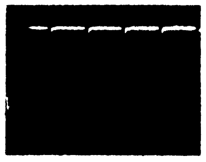


⑥④ 4.0Vp-p(H)

ANALOG

⑥⑤ 4.2Vp-p(V)

ANALOG

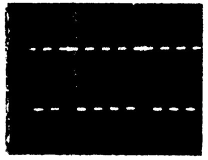


⑫1.3Vp-p(H)

ANALOG

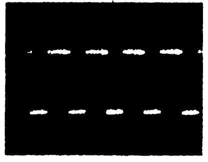
⑬4.6Vp-p(V)

TTL

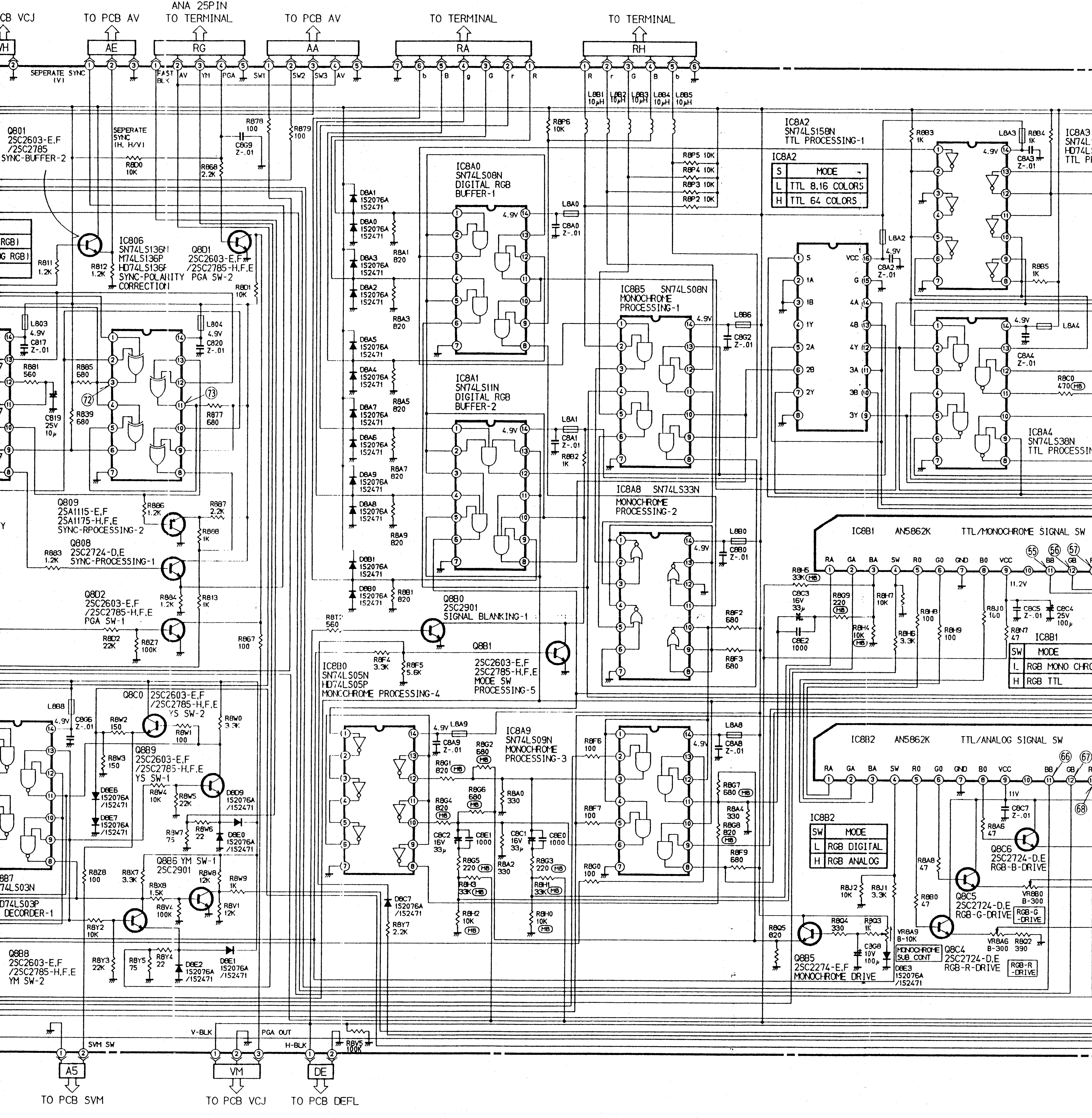


⑮0.4Vp-p(H)

TTL

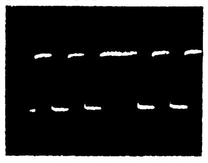


⑯0.4Vp-p(H)



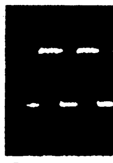
CB VCJ
TO PCB AV
ANA 25PIN
TO TERMINAL
TO PCB AV
TO TERMINAL
TO TERMINAL
AE
RG
AA
RA
RH
SEPERATE SYNC (V)
FAST BLK
AV
YM
PGA
SW1
SW2
SW3
AV
b
B
g
G
r
R
R
r
G
B
b
L8B1 10μH
L8B2 10μH
L8B3 10μH
L8B4 10μH
L8B5 10μH
Q801
2SC2603-E,F
/2SC2785
SYNC-BUFFER-2
SEPERATE SYNC (H, H/V)
R8D0 10K
R878 100
R879 100
C8G9 Z-.01
R868 2.2K
R8P6 10K
R8P5 10K
R8P4 10K
R8P3 10K
R8P2 10K
IC8A2
SN74LS158N
TTL PROCESSING-1
IC8A2
S | MODE
L | TTL 8,16 COLORS
H | TTL 64 COLORS
IC8A0
SN74LS08N
DIGITAL RGB
BUFFER-1
IC8A1
SN74LS11N
DIGITAL RGB
BUFFER-2
D8A1 1S2076A 1S2471
D8A0 1S2076A 1S2471
D8A3 1S2076A 1S2471
D8A2 1S2076A 1S2471
D8A5 1S2076A 1S2471
D8A4 1S2076A 1S2471
D8A7 1S2076A 1S2471
D8A6 1S2076A 1S2471
D8A9 1S2076A 1S2471
D8A8 1S2076A 1S2471
D8B1 1S2076A 1S2471
D8B0 1S2076A 1S2471
R8A1 820
R8A3 820
R8A5 820
R8A7 820
R8A9 820
R8B1 820
L8A0
C8A0 Z-.01
L8A1
C8A1 Z-.01
R8B2 1K
4.9V
IC806
SN74LS136N
M74LS136P
HD74LS136F
SYNC-POLARITY
CORRECTION
Q8D1
2SC2603-E,F
/2SC2785-H,F,E
PGA SW-2
R8D1 10K
RGB1
G RGB1
R811 1.2K
R812 1.2K
L803
L804
C817 Z-.01
C820 Z-.01
R881 560
R885 680
R839 680
R877 680
C819 25V 10μ
⑫
⑬
IC8B5 SN74LS08N
MONOCHROME
PROCESSING-1
L8B6
C8G2 Z-.01
IC8A8 SN74LS33N
MONOCHROME
PROCESSING-2
L8B0
C8B0 Z-.01
R8F2 680
R8F3 680
IC8A3
SN74L
HD74L
TTL P
R8B3 1K
L8A3
R8B4 1K
C8A3 Z-.01
L8A2
C8A2 Z-.01
R8B5 1K
L8A4
C8A4 Z-.01
R8C0 470(MB)
IC8A4
SN74LS38N
TTL PROCESSIN
Q809
2SA1115-E,F
2SA1175-H,F,E
SYNC-RPROCESSING-2
R886 1.2K
R887 2.2K
R888 1K
Q808
2SC2724-D,E
SYNC-PROCESSING-1
R883 1.2K
Q8D2
2SC2603-E,F
/2SC2785-H,F,E
PGA SW-1
R884 1.2K
R813 1K
R8D2 22K
R8Z7 100K
R867 100
R8T? 560
Q8B0
2SC2901
SIGNAL BLANKING-1
Q8B1
2SC2603-E,F
2SC2785-H,F,E
MODE SW
PROCESSING-5
IC8B0
SN74LS05N
HD74LS05P
MONOCHROME PROCESSING-4
R8F4 3.3K
R8F5 5.6K
IC8B1 AN5862K TTL/MONOCHROME SIGNAL SW
RA GA BA SW R0 G0 GND B0 VCC B8 GB
⑮ ⑯ ⑰
R8H5 33K(MB)
C8C3 16V 33μ
R8G9 220(MB)
R8H7 10K
R8H4 10K(MB)
R8H6 3.3K
R8H8 100
R8H9 100
R8J0 100
C8C5 Z-.01
C8C4 25V 100μ
11.2V
C8E2 1000
R8N7 47
IC8B1
SW | MODE
L | RGB MONO CHRO
H | RGB TTL
Q8C0 2SC2603-E,F
/2SC2785-H,F,E
YS SW-2
L888
C8G6 Z-.01
R8W2 150
R8W1 100
R8W0 3.3K
R8W3 150
Q8B9
2SC2603-E,F
2SC2785-H,F,E
YS SW-1
R8W4 10K
R8W5 22K
D8E6 1S2076A /1S2471
D8E7 1S2076A /1S2471
D8D9 1S2076A /1S2471
D8E0 1S2076A /1S2471
R8W7 75
R8W6 22
Q8B6 YM SW-1
2SC2901
R8W8 12K
R8W9 1K
R8V1 12K
R8Z8 100
R8X7 3.3K
R8X8 1.5K
R8V4 100K
R8Y2 10K
B7
74LS03N
LS03P
DECORDER-1
Q8B8
2SC2603-E,F
/2SC2785-H,F,E
YM SW-2
R8Y3 22K
R8Y5 75
R8Y4 22
D8E2 1S2076A /1S2471
D8E1 1S2076A /1S2471
L8A9
C8A9 Z-.01
R8G2 680(MB)
R8G1 820(MB)
R8G6 680(MB)
R8G4 820(MB)
R8A0 330
IC8A9
SN74LS09N
MONOCHROME
PROCESSING-3
C8C2 16V 33μ
C8E1 1000
C8C1 16V 33μ
C8E0 1000
R8G5 220(MB)
R8A2 330
R8G3 220(MB)
R8H3 33K(MB)
R8H1 33K(MB)
R8H2 10K(MB)
R8H0 10K(MB)
D8C7 1S2076A /1S2471
R8Y7 2.2K
R8F6 100
R8F7 100
R8G0 100
L8A8
C8A8 Z-.01
R8G7 680(MB)
R8A4 330
R8G8 820(MB)
R8F9 680
IC8B2 AN5862K TTL/ANALOG SIGNAL SW
⑯ ⑰ ⑱
IC8B2
SW | MODE
L | RGB DIGITAL
H | RGB ANALOG
11V
C8C7 Z-.01
R8A6 47
Q8C6
2SC2724-D,E
RGB-B-DRIVE
R8A8 47
R8B0 47
VR8B0 B-300
RGB-G-DRIVE
Q8C5
2SC2724-D,E
RGB-G-DRIVE
R8J2 10K
R8J1 3.3K
R8Q4 330
R8Q3 1K
VR8A9 B-10K
R8Q5 820
Q8B5
2SC2274-E,F
MONOCHROME DRIVE
C3G8 10V 100μ
MONOCHROME SUB CONT
D8E3 1S2076A /1S2471
Q8C4
2SC2724-D,E
RGB-R-DRIVE
VR8A6 B-300
R8Q2 390
RGB-R-DRIVE
SVM SW
V-BLK
PGA OUT
H-BLK
R8V5 100K
A5
VM
DE
TO PCB SVM
TO PCB VCJ
TO PCB DEFL

ANALOG



⑯0.7Vp-p(H)

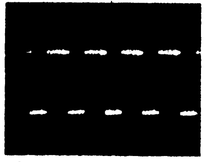
ANALOG



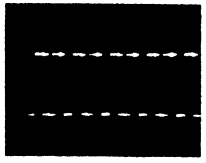
⑰0.7Vp-p

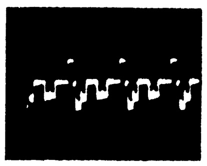
H)

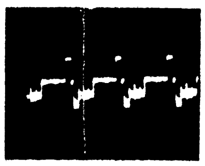
TTL

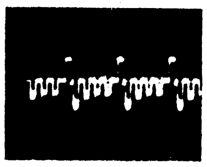

(56) 0.4Vp-p(H)

TTL

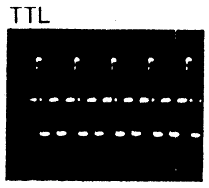

(57) 0.4Vp-p(H)


㊸ 3.4Vp-p(H)

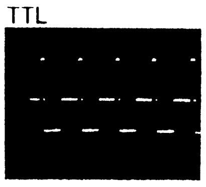

㊹ 3.4Vp-p(H)


㊺ 3.4Vp-p(H)

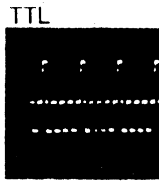
TTL

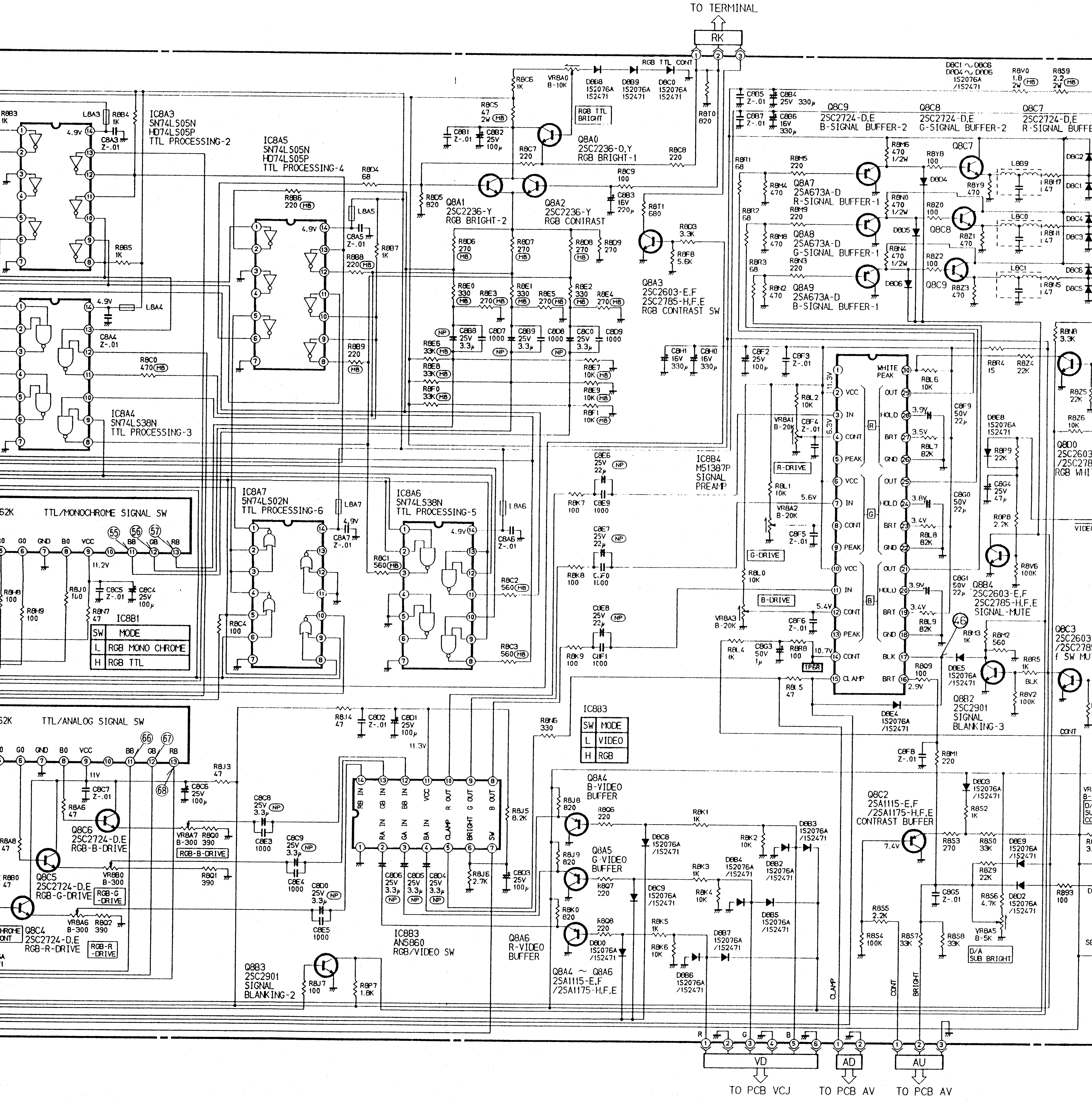

(58) 2.4Vp-p(H)

TTL


(59) 2.4Vp-p(H)

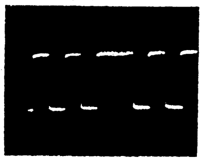
TTL


(60) 2.2Vp-p(H)

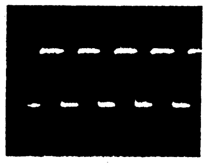


TO TERMINAL
RK
RGB TTL CONT
IC8A3 SN74LS05N HD74LS05P TTL PROCESSING-2
IC8A5 SN74LS05N HD74LS05P TTL PROCESSING-4
IC8A4 SN74LS38N TTL PROCESSING-3
IC8A7 SN74LS02N TTL PROCESSING-6
IC8A6 SN74LS38N TTL PROCESSING-5
TTL/MONOCHROME SIGNAL SW
IC8B1
SW MODE
L RGB MONO CHROME
H RGB TTL
TTL/ANALOG SIGNAL SW
Q8A0 2SC2236-O,Y RGB BRIGHT-1
Q8A1 2SC2236-Y RGB BRIGHT-2
Q8A2 2SC2236-Y RGB CONTRAST
Q8A3 2SC2603-E,F 2SC2785-H,F,E RGB CONTRAST SW
RGB TTL BRIGHT
Q8C9 2SC2724-D,E B-SIGNAL BUFFER-2
Q8C8 2SC2724-D,E G-SIGNAL BUFFER-2
Q8C7 2SC2724-D,E R-SIGNAL BUFFER
Q8A7 2SA673A-D R-SIGNAL BUFFER-1
Q8A8 2SA673A-D G-SIGNAL BUFFER-1
Q8A9 2SA673A-D B-SIGNAL BUFFER-1
IC8B4 M51387P SIGNAL PREAMP
R-DRIVE
G-DRIVE
B-DRIVE
WHITE PEAK
Q8B4 2SC2603-E,F 2SC2785-H,F,E SIGNAL-MUTE
Q8B2 2SC2901 SIGNAL BLANKING-3
Q8D0 2SC2603 /2SC278 RGB WHI
Q8C3 2SC2603 /2SC2785 f SW MU
IC8B3 SW MODE L VIDEO H RGB
IC8B3 AN5860 RGB/VIDEO SW
Q8A4 B-VIDEO BUFFER
Q8A5 G-VIDEO BUFFER
Q8A6 R-VIDEO BUFFER
Q8A4 ~ Q8A6 2SA1115-E,F /2SA1175-H,F,E
Q8C2 2SA1115-E,F /2SA1175-H,F,E CONTRAST BUFFER
Q8C6 2SC2724-D,E RGB-B-DRIVE
Q8C5 2SC2724-D,E RGB-G-DRIVE
Q8C4 2SC2724-D,E RGB-R-DRIVE
RGB-B-DRIVE
RGB-G -DRIVE
RGB-R -DRIVE
Q8B3 2SC2901 SIGNAL BLANKING-2
D/A SUB BRIGHT
TP8R
CLAMP
CONT
BRIGHT
VD
AD
AU
TO PCB VCJ
TO PCB AV
TO PCB AV

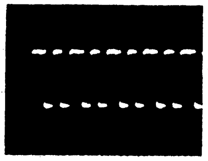
ANALOG

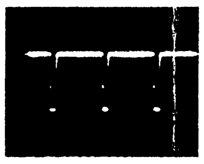

(66) 0.7Vp-p(H)

ANALOG

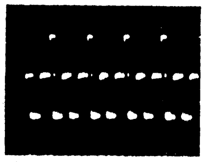

(67) 0.7Vp-p(H)

ANALOG

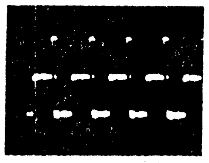

(68) 0.7Vp-p(H)


㊻ 3.6Vp-p(H)

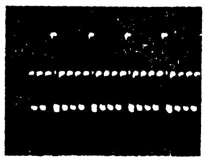
ANALOG

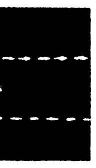

(69) 2.6Vp-p(H)

ANALOG


(70) 2.6Vp-p(H)

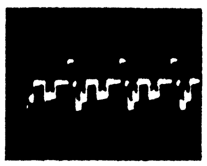
ANALOG


(71) 2.5Vp-p(H)

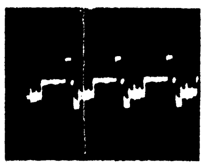


p(H)

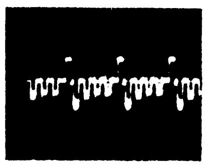
TTL



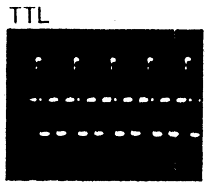
㊸3.4Vp-p(H)



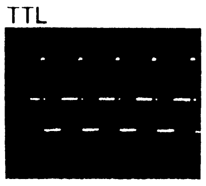
㊹3.4Vp-p(H)



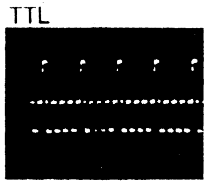
㊺3.4Vp-p(H)



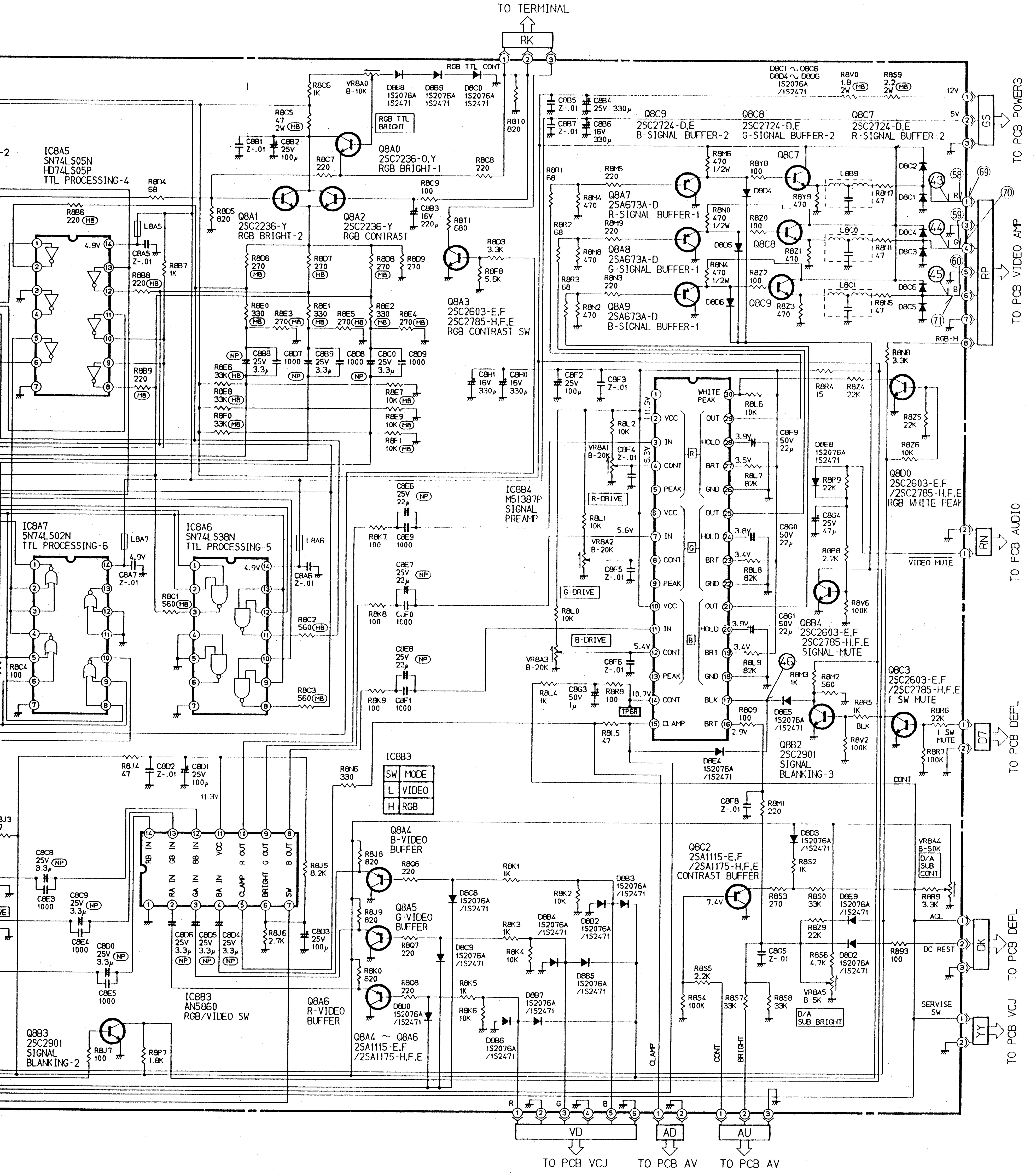
(58)2.4Vp-p(H)



(59)2.4Vp-p(H)

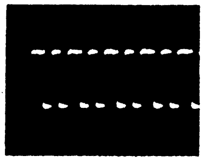


(60)2.2Vp-p(H)

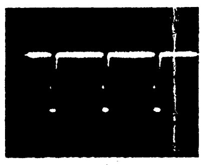


TO TERMINAL
RK
RGB TTL CONT
VR8A0 B-10K
D8B8 1S2076A 1S2471
D8B9 1S2076A 1S2471
D8C0 1S2076A 1S2471
RGB TTL BRIGHT
R8T0 820
R8C6 1K
R8C5 47 2W (MB)
C8B1 Z-.01
C8B2 25V 100μ
R8C7 220
Q8A0 2SC2236-O,Y RGB BRIGHT-1
R8C8 220
R8C9 100
C8B3 16V 220μ
R8T1 680
Q8A1 2SC2236-Y RGB BRIGHT-2
Q8A2 2SC2236-Y RGB CONTRAST
R8D5 820
R8D3 3.3K
R8F8 5.6K
Q8A3 2SC2603-E,F 2SC2785-H,F,E RGB CONTRAST SW
IC8A5 SN74LS05N HD74LS05P TTL PROCESSING-4
R8D4 68
R8B6 220 (MB)
L8A5
C8A5 Z-.01
R8B7 1K
R8B8 220 (MB)
R8B9 220 (MB)
4.9V
R8D6 270 (MB)
R8D7 270 (MB)
R8D8 270 (MB)
R8D9 270
R8E0 330 (MB)
R8E1 330 (MB)
R8E2 330 (MB)
R8E3 270 (MB)
R8E5 270 (MB)
R8E4 270 (MB)
C8B8 25V 3.3μ
C8D7 1000
C8B9 25V 3.3μ
C8D8 1000
C8C0 25V 3.3μ
C8D9 1000
(NP)
R8E6 33K (MB)
R8E8 33K (MB)
R8F0 33K (MB)
R8E7 10K (MB)
R8E9 10K (MB)
R8F1 10K (MB)
C8H1 16V 330μ
C8H0 16V 330μ
IC8A7 SN74LS02N TTL PROCESSING-6
L8A7
C8A7 Z-.01
IC8A6 SN74LS38N TTL PROCESSING-5
L8A6
C8A6 Z-.01
R8C1 560 (MB)
R8C2 560 (MB)
R8C3 560 (MB)
R8C4 100
C8E6 25V 22μ (NP)
C8E9 1000
R8K7 100
C8E7 25V 22μ (NP)
C8F0 1000
R8K8 100
C8E8 25V 22μ (NP)
C8F1 1000
R8K9 100
IC8B4 M51387P SIGNAL PREAMP
R8L2 10K
VR8A1 B-20K
C8F4 Z-.01
R-DRIVE
R8L1 10K
5.6V
VR8A2 B-20K
C8F5 Z-.01
G-DRIVE
R8L0 10K
B-DRIVE
5.4V
VR8A3 B-20K
C8F6 Z-.01
R8L4 1K
C8G3 50V 1μ
R8R8 100
10.7V
TP8R
R8L5 47
C8F2 25V 100μ
C8F3 Z-.01
11.3V
6.3V
VCC IN CONT PEAK
WHITE PEAK
OUT HOLD BRT GND
BLK BRT CLAMP
R8L6 10K
3.9V 3.5V
R8L7 82K
C8F9 50V 22μ
3.8V 3.4V
R8L8 82K
C8G0 50V 22μ
3.9V 3.4V
R8L9 82K
C8G1 50V 22μ
R8D9 100
2.9V
D8E4 1S2076A /1S2471
D8E5 1S2076A /1S2471
R8M3 1K
R8M2 560
R8R5 1K
BLK
R8V2 100K
Q8B2 2SC2901 SIGNAL BLANKING-3
C8B5 Z-.01
C8B4 25V 330μ
C8B7 Z-.01
C8B6 16V 330μ
D8C1 ~ D8C6 D8D4 ~ D8D6 1S2076A /1S2471
R8V0 1.8 2W (MB)
R8S9 2.2 2W (MB)
12V
5V
Q8C9 2SC2724-D,E B-SIGNAL BUFFER-2
Q8C8 2SC2724-D,E G-SIGNAL BUFFER-2
Q8C7 2SC2724-D,E R-SIGNAL BUFFER-2
R8M6 470 1/2W
R8Y8 100
R8M5 220
R8R1 68
R8M4 470
Q8A7 2SA673A-D R-SIGNAL BUFFER-1
D8D4
R8Y9 470
L8B9
R8M7 47
R8N0 470 1/2W
R8Z0 100
R8R2 68
R8M9 220
R8M8 470
Q8A8 2SA673A-D G-SIGNAL BUFFER-1
D8D5
R8Z1 470
L8C0
R8N1 47
R8N4 470 1/2W
R8Z2 100
R8R3 68
R8N3 220
R8N2 470
Q8A9 2SA673A-D B-SIGNAL BUFFER-1
D8D6
R8Z3 470
L8C1
R8N5 47
R G B
RGB-H
GS
TO PCB POWER3
RP
TO PCB VIDEO AMP
R8N8 3.3K
R8R4 15
R8Z4 22K
R8Z5 22K
R8Z6 10K
D8E8 1S2076A 1S2471
R8P9 22K
C8G4 25V 47μ
R8P8 2.2K
Q8D0 2SC2603-E,F /2SC2785-H,F,E RGB WHITE PEAK
RN
TO PCB AUDIO
VIDEO MUTE
R8V6 100K
Q8B4 2SC2603-E,F 2SC2785-H,F,E SIGNAL-MUTE
Q8C3 2SC2603-E,F /2SC2785-H,F,E f SW MUTE
R8R6 22K
f SW MUTE
R8R7 100K
D7
TO PCB DEFL
CONT
R8J4 47
C8D2 Z-.01
C8D1 25V 100μ
11.3V
R8N6 330
IC8B3
SW | MODE
L | VIDEO
H | RGB
RB IN GB IN BB IN VCC R OUT G OUT B OUT
RA IN GA IN BA IN CLAMP BRIGHT SW
R8J5 8.2K
R8J6 2.7K
C8D3 25V 100μ
C8C8 25V 3.3μ (NP)
C8E3 1000
C8C9 25V 3.3μ (NP)
C8E4 1000
C8D0 25V 3.3μ (NP)
C8E5 1000
C8D6 25V 3.3μ (NP)
C8D5 25V 3.3μ (NP)
C8D4 25V 3.3μ (NP)
IC8B3 AN5860 RGB/VIDEO SW
Q8B3 2SC2901 SIGNAL BLANKING-2
R8J7 100
R8P7 1.8K
Q8A4 B-VIDEO BUFFER
R8J8 820
R8Q6 220
R8K1 1K
D8C8 1S2076A /1S2471
R8K2 10K
D8B3 1S2076A /1S2471
D8B2 1S2076A /1S2471
Q8A5 G-VIDEO BUFFER
R8J9 820
R8Q7 220
R8K3 1K
D8B4 1S2076A /1S2471
D8C9 1S2076A /1S2471
R8K4 10K
D8B5 1S2076A /1S2471
Q8A6 R-VIDEO BUFFER
R8K0 820
R8Q8 220
D8D0 1S2076A /1S2471
R8K5 1K
R8K6 10K
D8B7 1S2076A /1S2471
D8B6 1S2076A /1S2471
Q8A4 ~ Q8A6 2SA1115-E,F /2SA1175-H,F,E
CLAMP
CONT
BRIGHT
C8F8 Z-.01
R8M1 220
Q8C2 2SA1115-E,F /2SA1175-H,F,E CONTRAST BUFFER
7.4V
D8D3 1S2076A /1S2471
R8S2 1K
R8S3 270
R8S0 33K
D8E9 1S2076A /1S2471
R8Z9 22K
R8S6 4.7K
D8D2 1S2076A /1S2471
VR8A5 B-5K
D/A SUB BRIGHT
R8S5 2.2K
R8S4 100K
R8S7 33K
R8S8 33K
C8G5 Z-.01
VR8A4 B-50K
D/A SUB CONT
R8R9 3.3K
ACL
DC REST
R8B3 100
DK
TO PCB DEFL
SERVISE SW
YY
TO PCB VCJ
R G B
VD
TO PCB VCJ
AD
TO PCB AV
AU
TO PCB AV

ANALOG

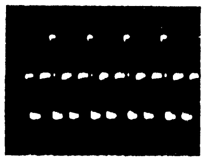


(68)0.7Vp-p(H)



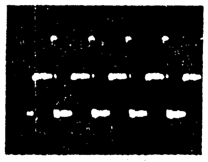
㊻3.6Vp-p(H)

ANALOG



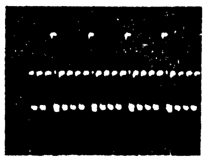
(69)2.6Vp-p(H)

ANALOG

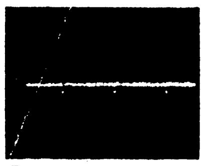


(70)2.6Vp-p(H)

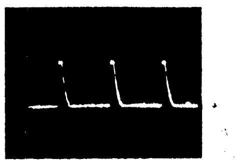
ANALOG



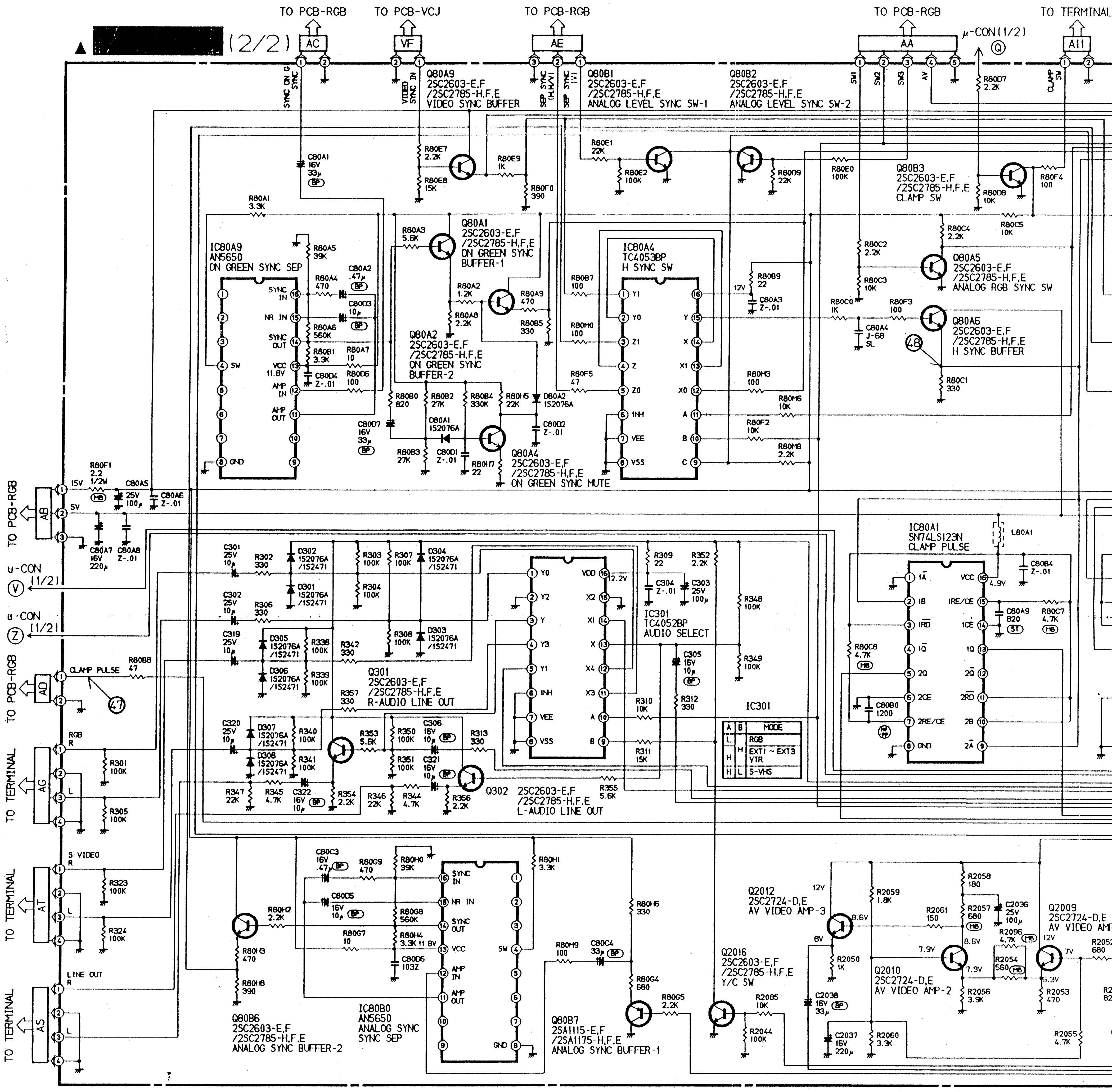
(71)2.5Vp-p(H)



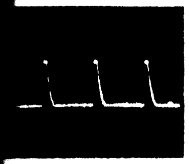
㊼0.03Vp-p(H)



㊽1.5Vp-p(H)

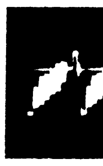


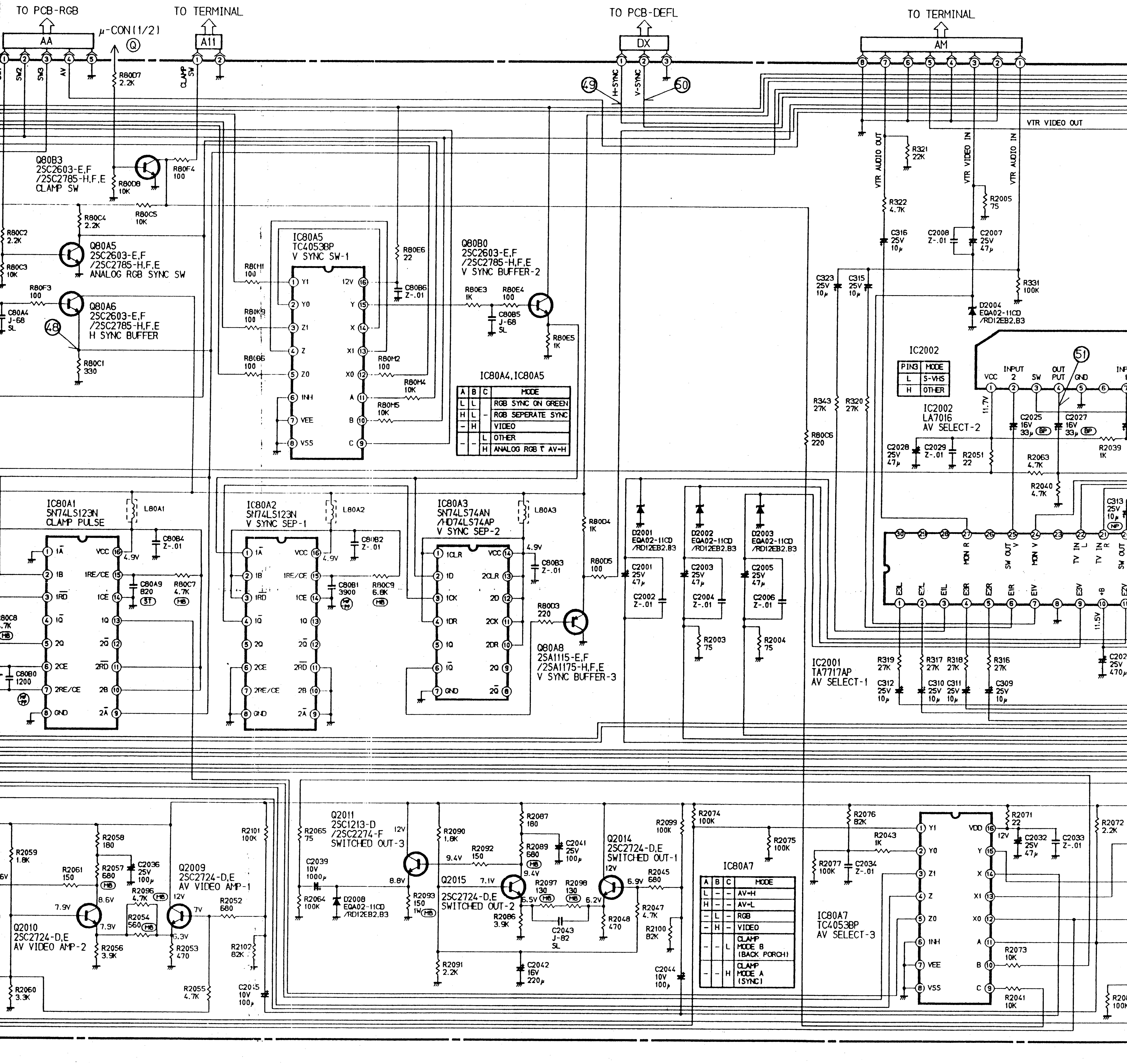
(2/2)
TO PCB-RGB
AC
SYNC ON G SYNC
TO PCB-VCJ
VF
VIDEO SYNC IN
TO PCB-RGB
AE
SEP SYNC (H,H/V)
SEP SYNC (V)
TO PCB-RGB
AA
SW1
SW2
SW3
AV
μ-CON(1/2)
Q
TO TERMINAL
A11
CLAMP SW
Q80A9 2SC2603-E,F /2SC2785-H,F,E VIDEO SYNC BUFFER
Q80B1 2SC2603-E,F /2SC2785-H,F,E ANALOG LEVEL SYNC SW-1
Q80B2 2SC2603-E,F /2SC2785-H,F,E ANALOG LEVEL SYNC SW-2
Q80B3 2SC2603-E,F /2SC2785-H,F,E CLAMP SW
Q80A1 2SC2603-E,F /2SC2785-H,F,E ON GREEN SYNC BUFFER-1
Q80A2 2SC2603-E,F /2SC2785-H,F,E ON GREEN SYNC BUFFER-2
Q80A4 2SC2603-E,F /2SC2785-H,F,E ON GREEN SYNC MUTE
Q80A5 2SC2603-E,F /2SC2785-H,F,E ANALOG RGB SYNC SW
Q80A6 2SC2603-E,F /2SC2785-H,F,E H SYNC BUFFER
IC80A9 AN5650 ON GREEN SYNC SEP
IC80A4 TC4053BP H SYNC SW
IC80A1 SN74LS123N CLAMP PULSE
IC301 TC4052BP AUDIO SELECT
IC80B0 AN5650 ANALOG SYNC SYNC SEP
Q301 2SC2603-E,F /2SC2785-H,F,E R-AUDIO LINE OUT
Q302 2SC2603-E,F /2SC2785-H,F,E L-AUDIO LINE OUT
Q80B6 2SC2603-E,F /2SC2785-H,F,E ANALOG SYNC BUFFER-2
Q80B7 2SA1115-E,F /2SA1175-H,F,E ANALOG SYNC BUFFER-1
Q2012 2SC2724-D,E AV VIDEO AMP-3
Q2016 2SC2603-E,F /2SC2785-H,F,E Y/C SW
Q2010 2SC2724-D,E AV VIDEO AMP-2
Q2009 2SC2724-D,E AV VIDEO AMP
TO PCB-RGB
AB
15V
5V
u-CON (1/2)
V
u-CON (1/2)
Z
TO PCB-RGB
AD
CLAMP PULSE
47
TO TERMINAL
AG
RGB R
L
TO TERMINAL
AT
S-VIDEO R
L
TO TERMINAL
AS
LINE OUT R
L
IC301
A B MODE
L RGB
H EXT1 ~ EXT3 YTR
H L S-VHS
48
L80A1
R80F1 2.2 1/2W
C80A5 25V 100μ
C80A6 Z-.01
C80A7 16V 220μ
C80A8 Z-.01
C80A1 16V 33μ
R80A1 3.3K
R80A5 39K
R80A4 470
C80A2 .47μ
C8003 10μ
R80A6 560K
R80B1 3.3K
R80A7 10
C80D4 Z-.01
R80D6 100
R80E7 2.2K
R80E8 15K
R80E9 1K
R80F0 390
R80E1 22K
R80E2 100K
R80D9 22K
R80E0 100K
R80D7 2.2K
R80D8 10K
R80F4 100
R80C4 2.2K
R80C5 10K
R80C2 2.2K
R80C3 10K
R80C0 1K
C80A4 J-68 SL
R80F3 100
R80C1 330
R80A3 5.6K
R80A2 1.2K
R80A8 2.2K
R80A9 470
R80B5 330
R80B0 820
R80B2 27K
R80B4 330K
R80H5 22K
D80A2 1S2076A
D80A1 1S2076A
C80D7 16V 33μ
R80B3 27K
C80D1 Z-.01
R80H7 22
C80D2 Z-.01
R80B7 100
R80M0 100
R80F5 47
R80B9 22
C80A3 Z-.01
12V
R80H3 100
R80M6 10K
R80F2 10K
R80M8 2.2K
C80B4 Z-.01
C80A9 820
R80C7 4.7K
R80C8 4.7K
C80B0 1200
C301 25V 10μ
R302 330
D302 1S2076A /1S2471
D301 1S2076A /1S2471
R303 100K
R304 100K
R307 100K
D304 1S2076A /1S2471
C302 25V 10μ
R306 330
C319 25V 10μ
D305 1S2076A /1S2471
D306 1S2076A /1S2471
R338 100K
R339 100K
R342 330
R308 100K
D303 1S2076A /1S2471
R309 22
R352 2.2K
C304 Z-.01
C303 25V 100μ
12.2V
R348 100K
C305 16V 10μ
R349 100K
R312 330
R310 10K
R311 15K
R357 330
C320 25V 10μ
D307 1S2076A /1S2471
D308 1S2076A /1S2471
R340 100K
R341 100K
R353 5.6K
R350 100K
C306 16V 10μ
R313 330
R351 100K
C321 16V 10μ
R347 22K
R345 4.7K
C322 16V 10μ
R354 2.2K
R346 22K
R344 4.7K
R356 2.2K
R355 5.6K
R301 100K
R305 100K
R323 100K
R324 100K
C80C3 16V .47μ
R80G9 470
R80H0 39K
R80H1 3.3K
C80D5 16V 10μ
R80G8 560K
R80G7 10
R80H4 3.3K
11.8V
C80D6 103Z
R80H2 2.2K
R80H3 470
R80H8 390
R80H6 330
R80H9 100
C80C4 33μ
R80G4 680
R80G5 2.2K
R2085 10K
R2044 100K
R2058 180
R2059 1.8K
R2057 680
C2036 25V 100μ
R2061 150
R2096 4.7K
R2054 560
R2050 1K
C2038 16V 33μ
C2037 16V 220μ
R2060 3.3K
R2056 3.9K
R2053 470
R2055 4.7K
8.6V
8V
7.9V
7.5V
7V
6.3V


(48) 1.5Vp-p(H)

(49) 4.6Vp-p(H)

(50) 4.8Vp-p(V)


(51) 4.0Vp-

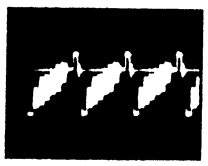

TO PCB-RGB
AA
SW2
SW3
AV
μ-CON(1/2)
Q
R80D7 2.2K
TO TERMINAL
A11
CLAMP SW
TO PCB-DEFL
DX
H-SYNC
V-SYNC
(49)
(50)
TO TERMINAL
AM
VTR VIDEO OUT
VTR AUDIO OUT
VTR VIDEO IN
VTR AUDIO IN
R321 22K
R322 4.7K
R2005 75
C316 25V 10μ
C2008 Z-.01
C2007 25V 47μ
C323 25V 10μ
C315 25V 10μ
R331 100K
D2004 EQA02-11CD /RD12EB2.B3
Q80B3 2SC2603-E,F /2SC2785-H,F,E CLAMP SW
R80F4 100
R80D8 10K
R80C4 2.2K
R80C5 10K
R80C2 2.2K
R80C3 10K
Q80A5 2SC2603-E,F /2SC2785-H,F,E ANALOG RGB SYNC SW
R80F3 100
C80A4 J-68 SL
Q80A6 2SC2603-E,F /2SC2785-H,F,E H SYNC BUFFER
(48)
R80C1 330
IC80A5 TC4053BP V SYNC SW-1
R80H1 100
R80K9 100
R80B6 100
R80E6 22
C80B6 Z-.01
R80H2 100
R80H4 10K
R80H5 10K
Y1 Y0 Z1 Z Z0 INH VEE VSS 12V Y X X1 X0 A B C
Q80B0 2SC2603-E,F /2SC2785-H,F,E V SYNC BUFFER-2
R80E3 1K
R80E4 100
C80B5 J-68 SL
R80E5 1K
IC80A4,IC80A5
IC2002
PIN3 MODE
L S-VHS
H OTHER
IC2002 LA7016 AV SELECT-2
(51)
INPUT 2
VCC
SW
OUT PUT
GND
11.7V
C2025 16V 33μ BP
C2027 16V 33μ BP
R343 27K
R320 27K
R80C6 220
C2028 25V 47μ
C2029 Z-.01
R2051 22
R2063 4.7K
R2040 4.7K
R2039 1K
C313 25V 10μ NP
IC80A1 SN74LS123N CLAMP PULSE
L80A1
C80B4 Z-.01
4.9V
C80A9 820 ST
R80C7 4.7K MB
R80C8 4.7K MB
C80B0 1200 MF
1A 1B 1RD 1Q 2Q 2CE 2RE/CE GND VCC 1RE/CE 1CE 1Q 2Q 2RD 2B 2A
IC80A2 SN74LS123N V SYNC SEP-1
L80A2
C80B2 Z-.01
C80B1 3900 MF
R80C9 6.8K MB
IC80A3 SN74LS74AN /HD74LS74AP V SYNC SEP-2
L80A3
C80B3 Z-.01
1CLR 1D 1CK 1DR 1Q 1Q GND VCC 2CLR 2D 2CK 2DR 2Q 2Q
R80D4 1K
R80D5 100
R80D3 220
Q80A8 2SA1115-E,F /2SA1175-H,F,E V SYNC BUFFER-3
D2001 EQA02-11CD /RD12EB2.B3
C2001 25V 47μ
C2002 Z-.01
D2002 EQA02-11CD /RD12EB2.B3
C2003 25V 47μ
C2004 Z-.01
R2003 75
D2003 EQA02-11CD /RD12EB2.B3
C2005 25V 47μ
C2006 Z-.01
R2004 75
MON R
SW OUT V
MON V
TV IN L
TV IN R
SW OUT
E3L E2L E1L E3R E2R E1R E1V E3V +B E2V
11.5V
IC2001 TA7717AP AV SELECT-1
R319 27K
R317 27K
R318 27K
R316 27K
C312 25V 10μ
C310 25V 10μ
C311 25V 10μ
C309 25V 10μ
C202 25V 470μ
R2058 180
R2059 1.8K
R2061 150
R2057 680 MB
C2036 25V 100μ
R2096 4.7K MB
R2054 560 MB
Q2009 2SC2724-D,E AV VIDEO AMP-1
12V
7V
6.3V
R2052 680
R2053 470
7.9V
8.6V
Q2010 2SC2724-D,E AV VIDEO AMP-2
R2056 3.9K
R2060 3.3K
R2055 4.7K
R2101 100K
R2102 82K
C2035 10V 100μ
R2065 75
Q2011 2SC1213-D /2SC2274-F SWITCHED OUT-3
C2039 10V 1000μ
R2064 100K
D2008 EQA02-11CD /RD12EB2.B3
R2090 1.8K
R2092 150
9.4V
8.8V
Q2015 2SC2724-D,E SWITCHED OUT-2
7.1V
R2093 150 1M MB
R2091 2.2K
R2087 180
R2089 680 MB
C2041 25V 100μ
R2097 130 MB
R2098 130 MB
6.5V
6.2V
R2086 3.9K
C2043 J-82 SL
C2042 16V 220μ
Q2014 2SC2724-D,E SWITCHED OUT-1
12V
6.9V
R2099 100K
R2045 680
R2048 470
R2047 4.7K
R2100 82K
C2044 10V 100μ
R2074 100K
R2075 100K
IC80A7
R2076 82K
R2043 1K
R2077 100K
C2034 Z-.01
IC80A7 TC4053BP AV SELECT-3
R2071 22
C2032 25V 47μ
C2033 Z-.01
VDD
R2073 10K
R2041 10K
R2072 2.2K
R2081 100K

IC80A4,IC80A5

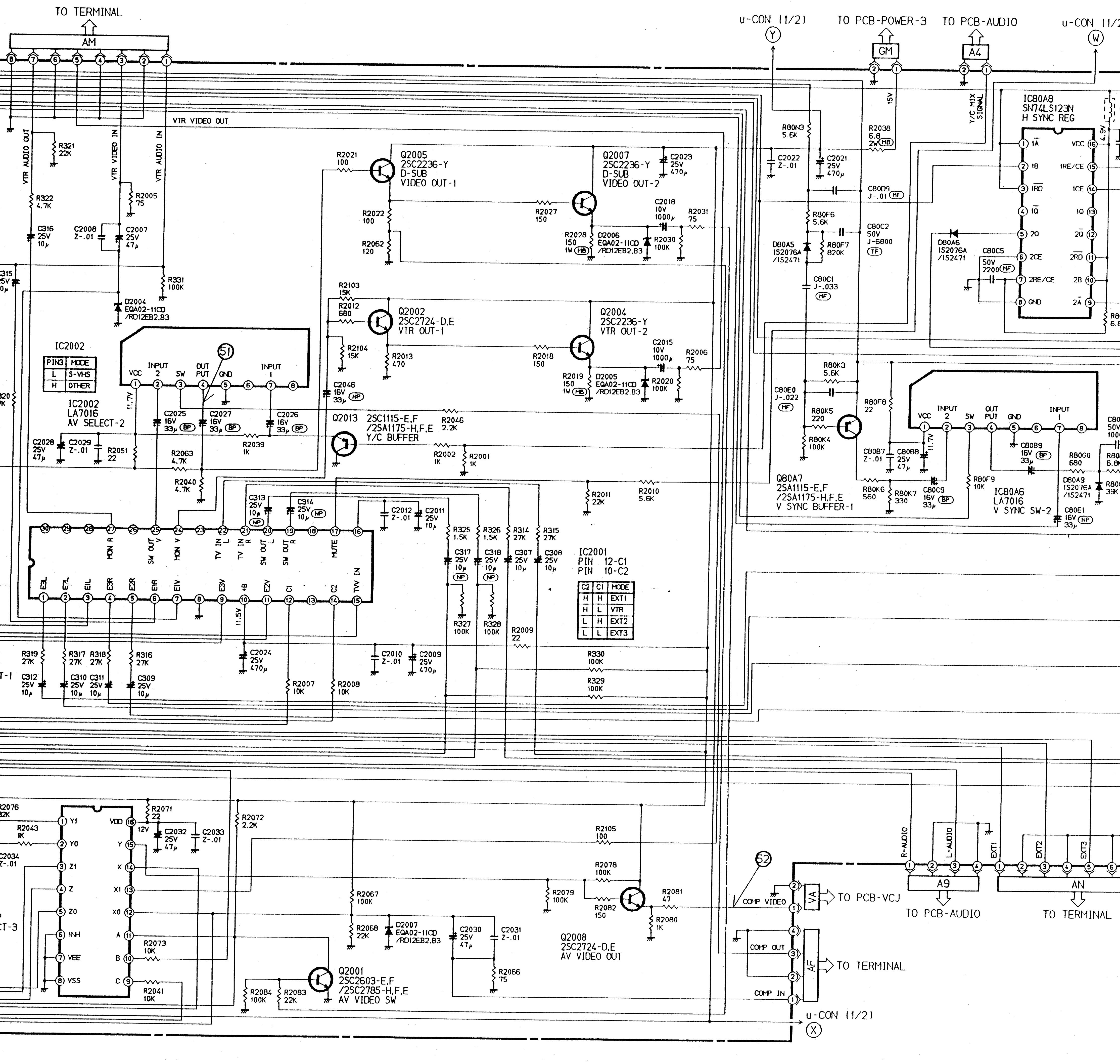
A	B	C	MODE
L	L	-	RGB SYNC ON GREEN
H	L		RGB SEPERATE SYNC
-	H		VIDEO
-	-	L	OTHER
		H	ANALOG RGB と AV-H

IC80A7

A	B	C	MODE
L	-	-	AV-H
H	-	-	AV-L
-	L	-	RGB
-	H	-	VIDEO
-	-	L	CLAMP MODE B (BACK PORCH)
-	-	H	CLAMP MODE A (SYNC)

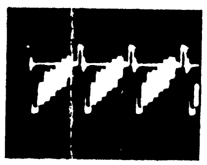


(51) 4.0Vp-p(H)

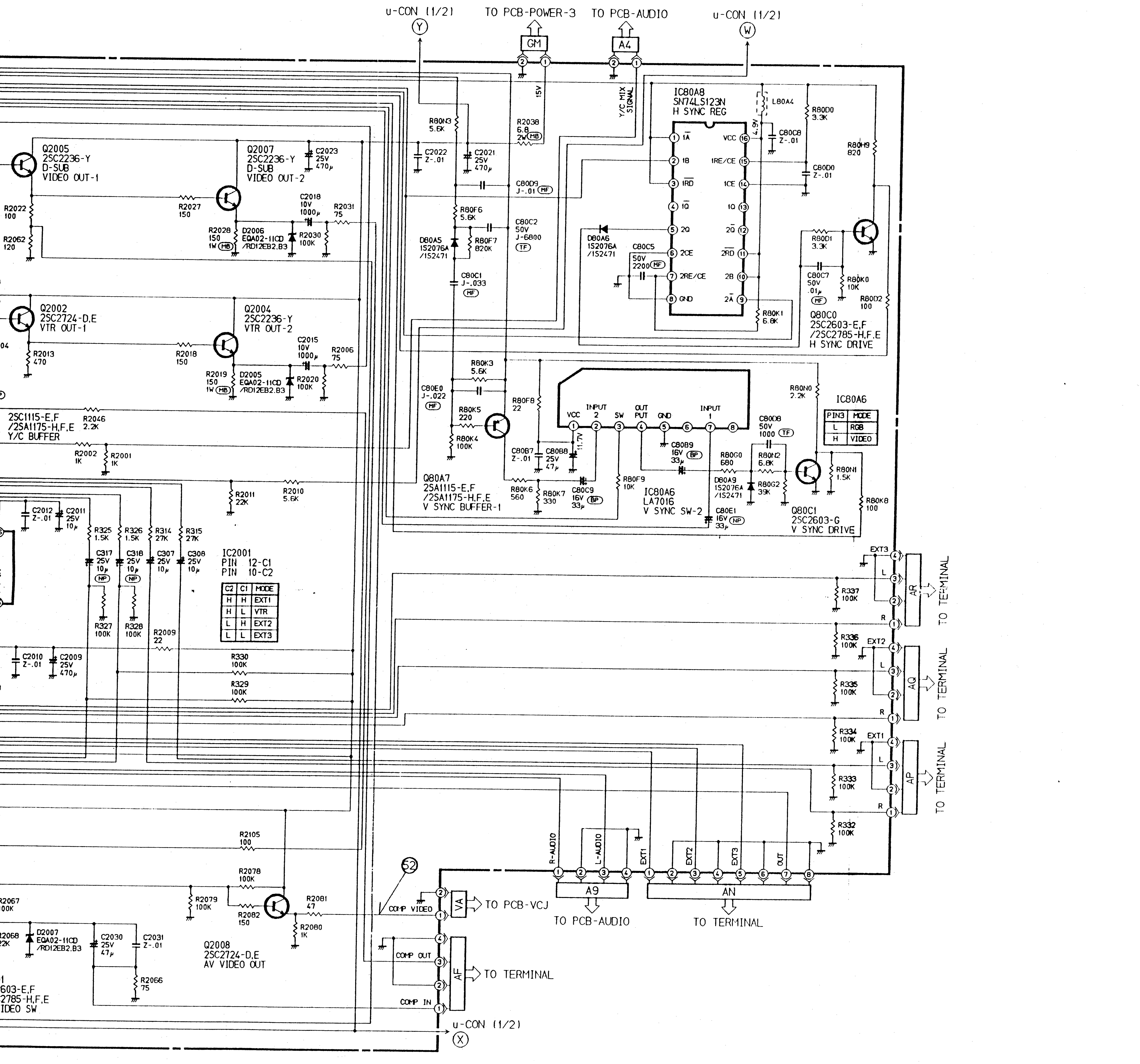

TO TERMINAL
AM
VTR VIDEO OUT
VTR AUDIO OUT
VTR VIDEO IN
VTR AUDIO IN
R321 22K
R322 4.7K
R2005 75
C316 25V 10μ
C2008 Z-.01
C2007 25V 47μ
R331 100K
D2004 EQA02-11CD /RD12EB2.B3
IC2002
IC2002 LA7016 AV SELECT-2
VCC
INPUT 2
SW
OUT PUT
GND
INPUT 1
11.7V
C2025 16V 33μ BP
C2027 16V 33μ BP
C2026 16V 33μ BP
C2028 25V 47μ
C2029 Z-.01
R2051 22
R2063 4.7K
R2040 4.7K
R2039 1K
R2021 100
Q2005 2SC2236-Y D-SUB VIDEO OUT-1
R2022 100
R2062 120
Q2007 2SC2236-Y D-SUB VIDEO OUT-2
C2023 25V 470μ
R2027 150
C2018 10V 1000μ
R2031 75
R2028 150 1W MB
D2006 EQA02-11CD /RD12EB2.B3
R2030 100K
R2103 15K
R2012 680
Q2002 2SC2724-D,E VTR OUT-1
R2104 15K
R2013 470
Q2004 2SC2236-Y VTR OUT-2
R2018 150
C2015 10V 1000μ
R2006 75
R2019 150 1W MB
D2005 EQA02-11CD /RD12EB2.B3
R2020 100K
C2046 16V 33μ NP
Q2013 2SC1115-E,F /2SA1175-H,F,E Y/C BUFFER
R2046 2.2K
R2002 1K
R2001 1K
R2011 22K
R2010 5.6K
C313 25V 10μ NP
C314 25V 10μ NP
C2012 Z-.01
C2011 25V 10μ
MON R
SW OUT V
MON V
TV IN L
TV IN R
SW OUT L
SW OUT R
MUTE
E3L
E2L
E1L
E3R
E2R
E1R
E1V
E3V
+B
E2V
C1
C2
TVV IN
11.5V
R325 1.5K
R326 1.5K
R314 27K
R315 27K
C317 25V 10μ NP
C318 25V 10μ NP
C307 25V 10μ
C308 25V 10μ
R327 100K
R328 100K
IC2001 PIN 12-C1 PIN 10-C2
R2009 22
R330 100K
R329 100K
R319 27K
R317 27K
R318 27K
R316 27K
C312 25V 10μ
C310 25V 10μ
C311 25V 10μ
C309 25V 10μ
C2024 25V 470μ
C2010 Z-.01
C2009 25V 470μ
R2007 10K
R2008 10K
u-CON (1/2)
TO PCB-POWER-3
GM
15V
TO PCB-AUDIO
A4
Y/C MIX SIGNAL
R80N3 5.6K
C2022 Z-.01
C2021 25V 470μ
R2038 6.8 2W MB
C80D9 J-.01 MF
R80F6 5.6K
C80C2 50V J-6800 TF
D80A5 1S2076A /1S2471
R80F7 820K
C80C1 J-.033 MF
IC80A8 SN74LS123N H SYNC REG
1A
1B
1RD
1Q
2Q
2CE
2RE/CE
GND
VCC
1RE/CE
1CE
2RD
2B
2A
D80A6 1S2076A /1S2471
C80C5 50V 2200 MF
R80K3 5.6K
C80E0 J-.022 MF
R80K5 220
R80F8 22
R80K4 100K
Q80A7 2SA1115-E,F /2SA1175-H,F,E V SYNC BUFFER-1
R80K6 560
R80K7 330
C80B7 Z-.01
C80B8 25V 47μ
C80C9 16V 33μ BP
C80B9 16V 33μ BP
R80F9 10K
IC80A6 LA7016 V SYNC SW-2
R80G0 680
D80A9 1S2076A /1S2471
C80E1 16V 33μ NP
R2076
R2043 1K
C2034 Z-.01
R2071 22
12V
C2032 25V 47μ
C2033 Z-.01
Y1
Y0
Z1
Z
Z0
INH
VEE
VSS
VDD
Y
X
X1
X0
A
B
C
R2073 10K
R2041 10K
R2072 2.2K
R2067 100K
R2068 22K
D2007 EQA02-11CD /RD12EB2.B3
C2030 25V 47μ
C2031 Z-.01
R2066 75
Q2001 2SC2603-E,F /2SC2785-H,F,E AV VIDEO SW
R2084 100K
R2083 22K
R2105 100
R2078 100K
R2079 100K
R2082 150
Q2008 2SC2724-D,E AV VIDEO OUT
R2081 47
R2080 1K
(52)
COMP VIDEO
VA
TO PCB-VCJ
COMP OUT
COMP IN
AF
TO TERMINAL
u-CON (1/2)
R-AUDIO
L-AUDIO
A9
TO PCB-AUDIO
EXT1
EXT2
EXT3
AN
TO TERMINAL

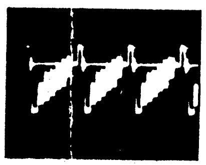
PIN3	MODE
L	S-VHS
H	OTHER

C2	C1	MODE
H	H	EXT1
H	L	VTR
L	H	EXT2
L	L	EXT3

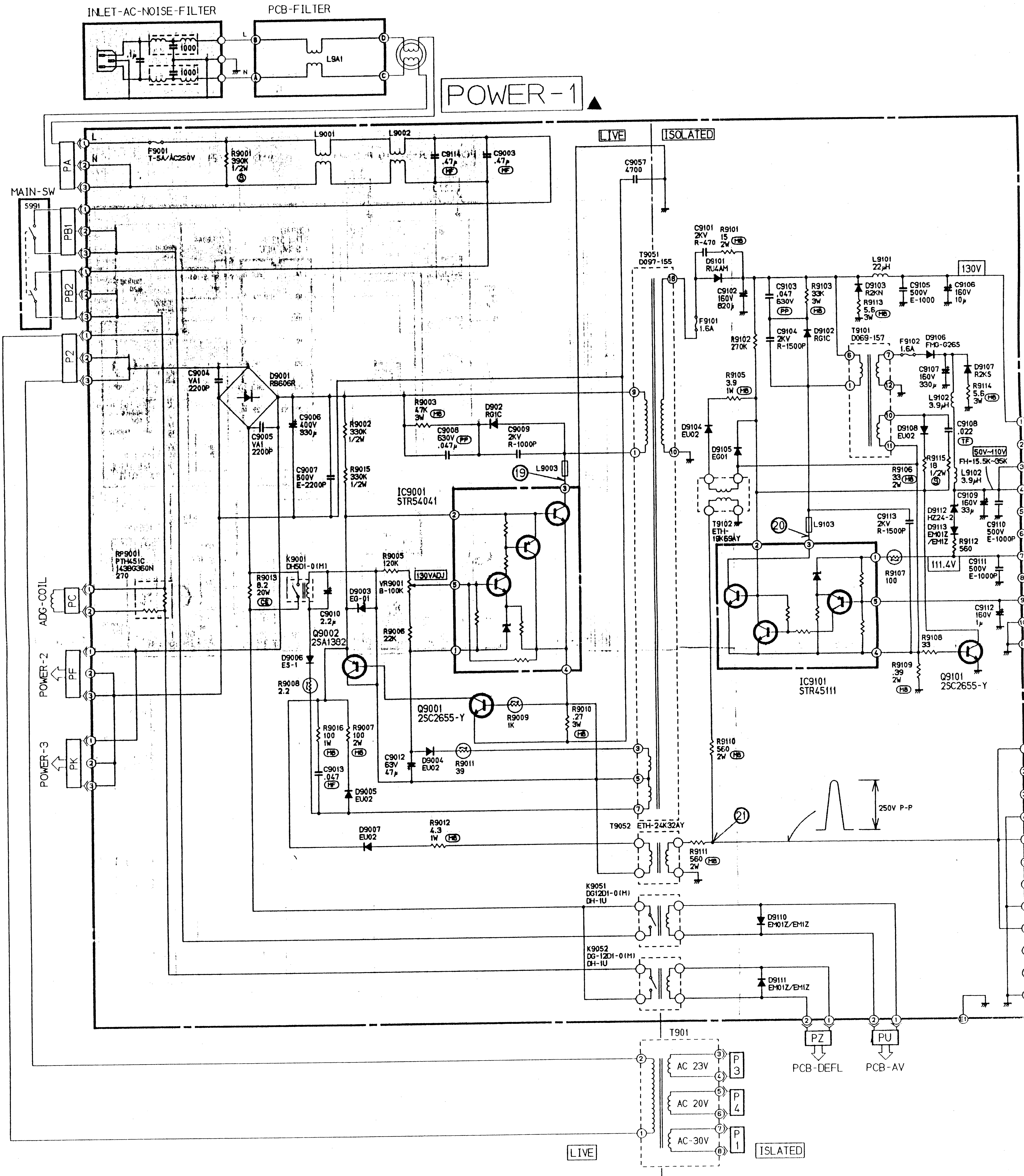


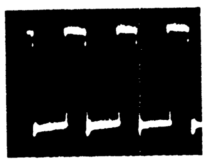
(52) 2.1Vp-p(H)


u-CON (1/2) Y
TO PCB-POWER-3 GM
TO PCB-AUDIO A4
u-CON (1/2) W
15V
Y/C MIX SIGNAL
IC80A8 SN74LS123N H SYNC REG
L80A4
R80D0 3.3K
C80C8 Z-.01
C80D0 Z-.01
R80H9 820
R80D1 3.3K
C80C7 50V .01μ (MF)
R80K0 10K
R80D2 100
R80K1 6.8K
Q80C0 2SC2603-E,F /2SC2785-H,F,E H SYNC DRIVE
D80A6 1S2076A /1S2471
C80C5 50V 2200 (MF)
Q2005 2SC2236-Y D-SUB VIDEO OUT-1
Q2007 2SC2236-Y D-SUB VIDEO OUT-2
C2023 25V 470μ
R2022 100
R2062 120
R2027 150
R2028 150 1W (MB)
D2006 EQA02-11CD /RD12EB2.B3
C2018 10V 1000μ
R2030 100K
R2031 75
R80N3 5.6K
C2022 Z-.01
C2021 25V 470μ
R2038 6.8 2W (MB)
C80D9 J-.01 (MF)
R80F6 5.6K
C80C2 50V J-6800 (TF)
D80A5 1S2076A /1S2471
R80F7 820K
C80C1 J-.033 (MF)
Q2002 2SC2724-D,E VTR OUT-1
Q2004 2SC2236-Y VTR OUT-2
R2013 470
R2018 150
R2019 150 1W (MB)
D2005 EQA02-11CD /RD12EB2.B3
C2015 10V 1000μ
R2020 100K
R2006 75
2SC1115-E,F /2SA1175-H,F,E Y/C BUFFER
R2046 2.2K
R2002 1K
R2001 1K
R80K3 5.6K
C80E0 J-.022 (MF)
R80K5 220
R80K4 100K
R80F8 22
Q80A7 2SA1115-E,F /2SA1175-H,F,E V SYNC BUFFER-1
C80B7 Z-.01
C80B8 25V 47μ
11.7V
R80K6 560
R80K7 330
C80C9 16V 33μ (BP)
R80F9 10K
VCC INPUT 2 SW OUT PUT GND INPUT 1
C80B9 16V 33μ (BP)
IC80A6 LA7016 V SYNC SW-2
R80G0 680
D80A9 1S2076A /1S2471
C80D8 50V 1000 (TF)
R80N2 6.8K
R80G2 39K
C80E1 16V 33μ (NP)
R80N0 2.2K
IC80A6
PIN3 | MODE
L | RGB
H | VIDEO
R80N1 1.5K
R80K8 100
Q80C1 2SC2603-G V SYNC DRIVE
R2011 22K
R2010 5.6K
C2012 Z-.01
C2011 25V 10μ
R325 1.5K
R326 1.5K
R314 27K
R315 27K
C317 25V 10μ (NP)
C318 25V 10μ (NP)
C307 25V 10μ
C306 25V 10μ
R327 100K
R328 100K
IC2001 PIN 12-C1 PIN 10-C2
C2 | C1 | MODE
H | H | EXT1
H | L | VTR
L | H | EXT2
L | L | EXT3
R2009 22
C2010 Z-.01
C2009 25V 470μ
R330 100K
R329 100K
EXT3 L R AR TO TERMINAL
R337 100K
R336 100K
EXT2 L R AQ TO TERMINAL
R335 100K
R334 100K
EXT1 L R AP TO TERMINAL
R333 100K
R332 100K
R2105 100
R2078 100K
R2067 100K
R2079 100K
R2082 150
R2081 47
R2080 1K
R2068 22K
D2007 EQA02-11CD /RD12EB2.B3
C2030 25V 47μ
C2031 Z-.01
R2066 75
Q2008 2SC2724-D,E AV VIDEO OUT
603-E,F
2785-H,F,E
IDEO SW
(52)
COMP VIDEO VA TO PCB-VCJ
COMP OUT
COMP IN
AF TO TERMINAL
u-CON (1/2) X
R-AUDIO L-AUDIO A9 TO PCB-AUDIO
EXT1 EXT2 EXT3 OUT AN TO TERMINAL

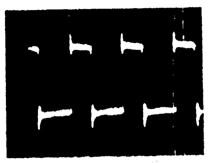

(52) 2.1Vp-p(H)

POWER-1 ▲

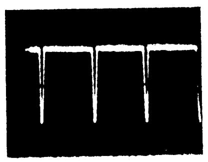

INLET-AC-NOISE-FILTER
PCB-FILTER
L9A1
1000
MAIN-SW
S991
PA
PB1
PB2
P2
PC
ADG-COIL
PF
POWER-2
PK
POWER-3
LIVE
ISOLATED
F9001 T-5A/AC250V
R9001 390K 1/2W
L9001
L9002
C9114 .47μ
C9003 .47μ
C9057 4700
T9051 D097-155
C9004 VA1 2200P
D9001 RB606R
C9005 VA1 2200P
C9006 400V 330μ
R9002 330K 1/2W
C9007 500V E-2200P
R9015 330K 1/2W
R9003 47K 3W
D902 RG1C
C9008 630V .047μ
C9009 2KV R-1000P
L9003
IC9001 STR54041
RP9001 PTH451C 143BG360N 270
R9013 8.2 20W
K9001 DH501-0(M)
R9005 120K
VR9001 B-100K
130VADJ
D9003 EG-01
C9010 2.2μ
R9006 22K
Q9002 2SA1382
D9006 ES-1
R9008 2.2
Q9001 2SC2655-Y
R9009 1K
R9010 .27 3W
R9016 100 1W
R9007 100 2W
C9012 63V 47μ
D9004 EU02
R9011 39
C9013 .047
D9005 EU02
D9007 EU02
R9012 4.3 1W
T9052 ETH-24K32AY
K9051 DG12D1-0(M) DH-1U
K9052 DG-12D1-0(M) DH-1U
C9101 2KV R-470
R9101 15 2W
D9101 RU4AM
C9102 160V 820μ
F9101 1.6A
C9103 .047 630V
R9103 33K 3W
R9102 270K
C9104 2KV R-1500P
D9102 RG1C
L9101 22μH
D9103 R2KN
R9113 5.6 3W
C9105 500V E-1000
C9106 160V 10μ
130V
T9101 D069-157
F9102 1.6A
D9106 FMG-G26S
C9107 160V 330μ
D9107 R2KS
R9114 5.6 3W
L9102 3.9μH
C9108 .022
R9105 3.9 1W
D9104 EU02
D9105 EG01
T9102 ETH-19K69AY
D9108 EU02
R9115 18 1/2W
50V~110V FH-15.5K-35K
L9102 3.9μH
R9106 33 2W
C9109 160V 33μ
D9112 HZ24-2
D9113 EM01Z /EM1Z
R9112 560
C9110 500V E-1000P
C9113 2KV R-1500P
L9103
R9107 100
111.4V
C9111 500V E-1000P
C9112 160V 1μ
R9108 33
Q9101 2SC2655-Y
R9109 .39 2W
IC9101 STR45111
R9110 560 2W
250V P-P
R9111 560 2W
D9110 EM01Z/EM1Z
D9111 EM01Z/EM1Z
PZ
PCB-DEFL
PU
PCB-AV
E1
T901
AC 23V
P3
AC 20V
P4
AC-30V
P1
LIVE
ISLATED
⑲
⑳
㉑



⑲550Vp-p(H)

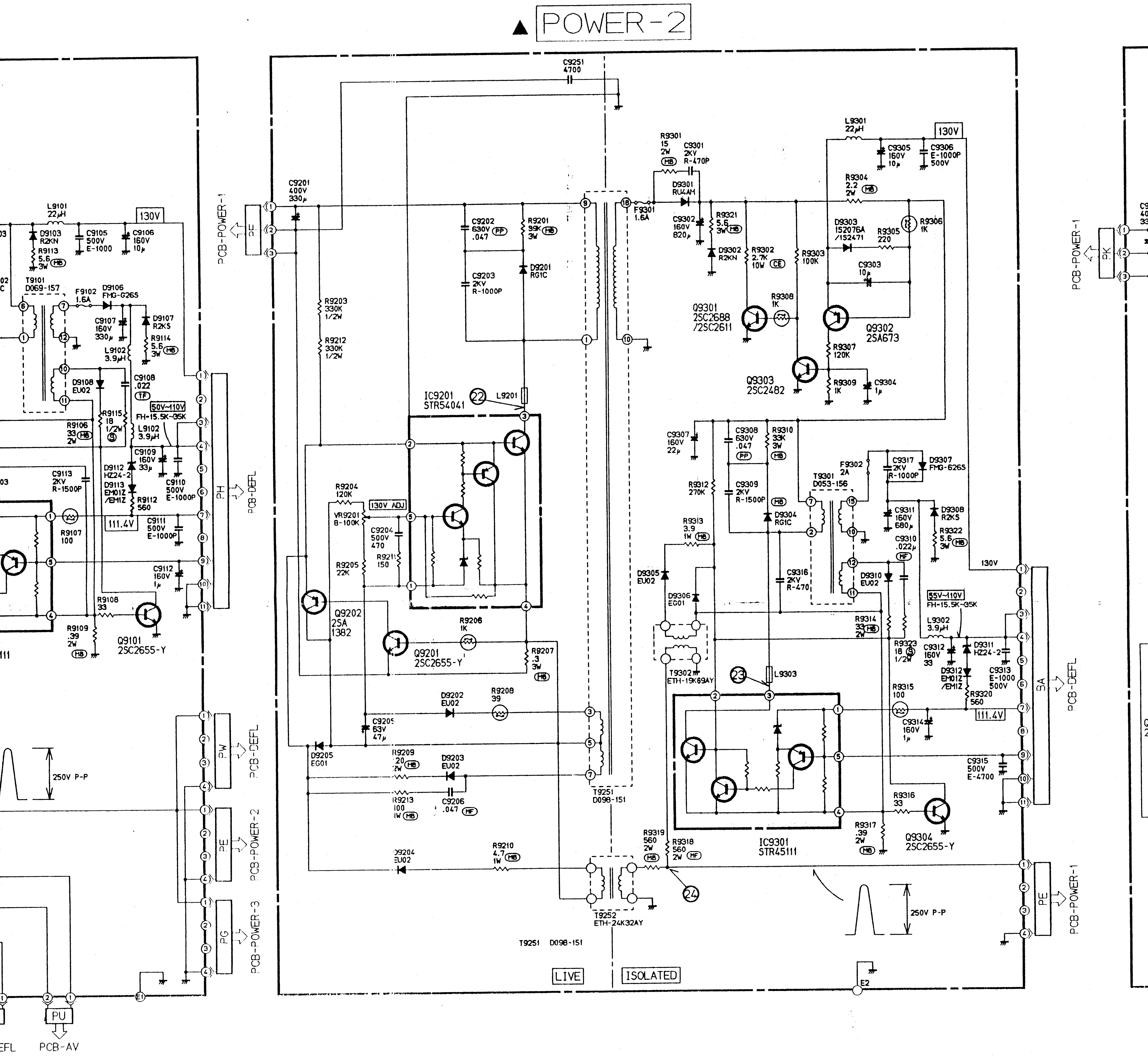


⑳300Vp-p(H)

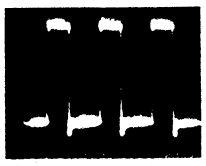


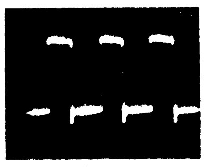
㉑240Vp-p(H)

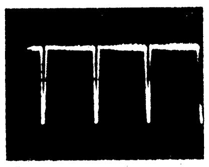
▲ POWER-2

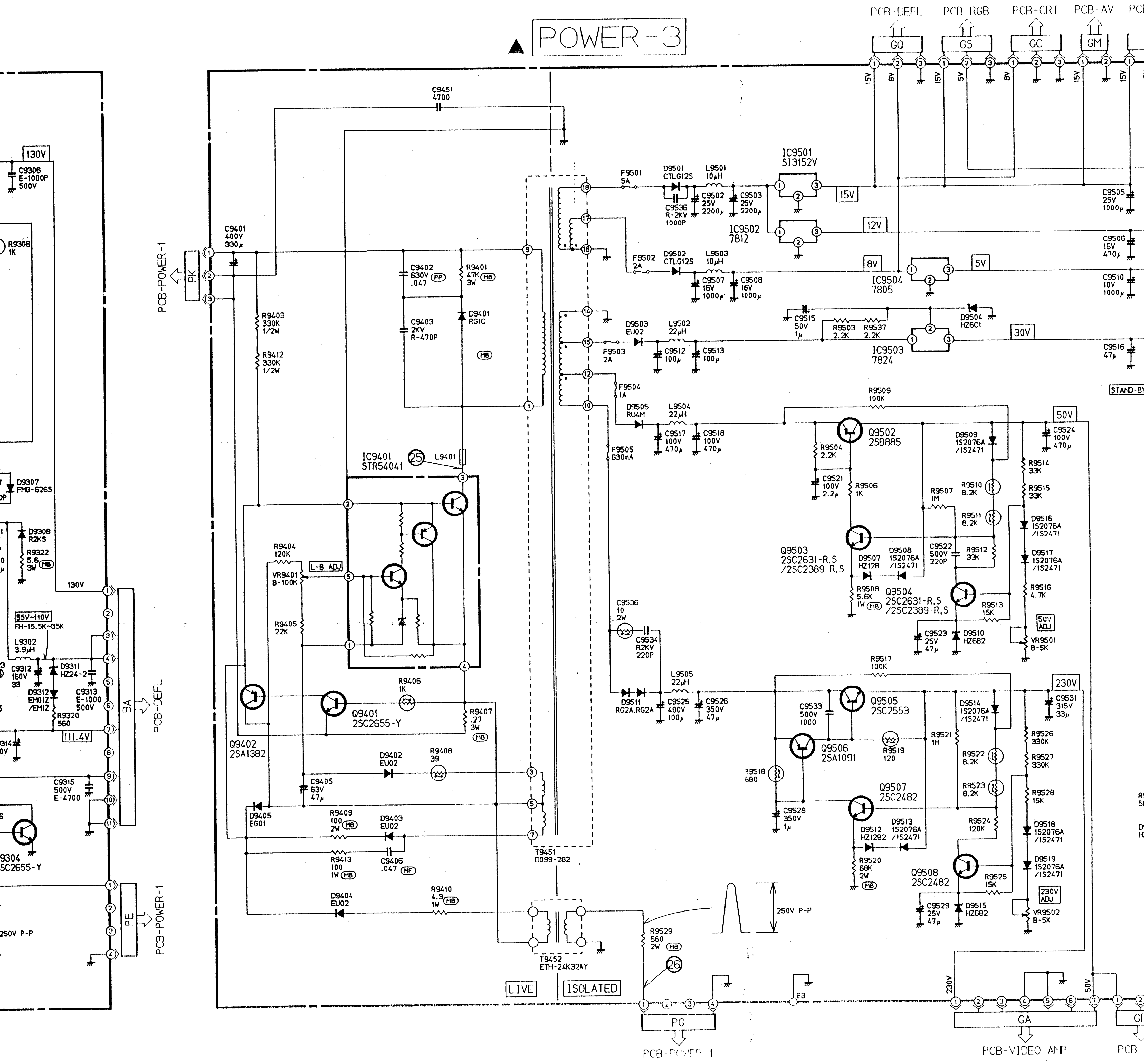


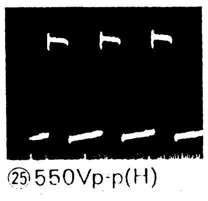
C9251 4700
C9201 400V 330μ
PCB-POWER-1
PE
C9202 630V .047 PP
R9201 39K 3W MB
D9201 RG1C
C9203 2KV R-1000P
R9203 330K 1/2W
R9212 330K 1/2W
IC9201 STR54041
L9201
R9204 120K
VR9201 B-100K
130V ADJ
C9204 500V 470
R9211 150
R9205 22K
Q9202 2SA1382
Q9201 2SC2655-Y
R9206 1K
R9207 .3 3W MB
D9202 EU02
R9208 39
C9205 63V 47μ
D9205 EG01
R9209 .20 2W MB
D9203 EU02
R9213 100 1W MB
C9206 .047 MF
D9204 EU02
R9210 4.7 1W MB
T9251 D098-151
T9252 ETH-24K32AY
LIVE
ISOLATED
E2
F9301 1.6A
R9301 15 2W MB
C9301 2KV R-470P
D9301 RU4AM
C9302 160V 820μ
D9302 R2KN
R9321 5.6 3W MB
R9302 2.7K 10W CE
R9303 100K
R9308 1K
Q9301 2SC2688 /2SC2611
Q9303 2SC2482
L9301 22μH
130V
C9305 160V 10μ
C9306 E-1000P 500V
R9304 2.2 2W MB
D9303 1S2076A /1S2471
R9305 220
R9306 1K
C9303 10μ
Q9302 2SA673
R9307 120K
R9309 1K
C9304 1μ
C9307 160V 22μ
C9308 630V .047 PP
R9310 33K 3W MB
R9312 270K
C9309 2KV R-1500P MB
D9304 RG1C
F9302 2A
T9301 D053-156
C9317 2KV R-1000P
D9307 FMG-626S
C9311 160V 680μ
D9308 R2KS
R9322 5.6 3W MB
C9310 .022μ MF
R9313 3.9 1W MB
D9305 EU02
D9306 EG01
C9316 2KV R-470
D9310 EU02
T9302 ETH-19K69AY
R9314 33 MB 2W
R9323 18 S 1/2W
L9302 3.9μH
55V~110V
FH-15.5K-35K
C9312 160V 33
D9311 HZ24-2
D9312 EM01Z /EM1Z
C9313 E-1000 500V
R9320 560
111.4V
L9303
IC9301 STR45111
R9315 100
C9314 160V 1μ
C9315 500V E-4700
R9316 33
Q9304 2SC2655-Y
R9317 .39 2W MB
R9319 560 2W MB
R9318 560 2W MF
130V
SA
PCB-DEFL
250V P-P
PCB-POWER-1
L9101 22μH
130V
D9103 R2KN
R9113 5.6 3W MB
C9105 500V E-1000
C9106 160V 10μ
T9101 D069-157
F9102 1.6A
D9106 FMG-G265
C9107 160V 330μ
D9107 R2KS
R9114 5.6 3W MB
L9102 3.9μH
D9108 EU02
C9108 .022 TF
R9115 18 1/2W S
R9106 33 2W MB
50V~110V
FH-15.5K-35K
L9102 3.9μH
C9109 160V 33μ
D9112 HZ24-2
D9113 EM01Z /EM1Z
R9112 560
C9110 500V E-1000P
C9113 2KV R-1500P
111.4V
C9111 500V E-1000P
R9107 100
C9112 160V 1μ
R9108 33
R9109 39 2W MB
Q9101 2SC2655-Y
PH
PCB-DEFL
PW
PCB-DEFL
250V P-P
PE
PCB-POWER-2
PG
PCB-POWER-3
E1
PU
PCB-AV
PK
PCB-POWER-1

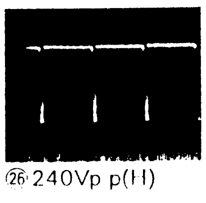

㉒ 550Vp-p(H)

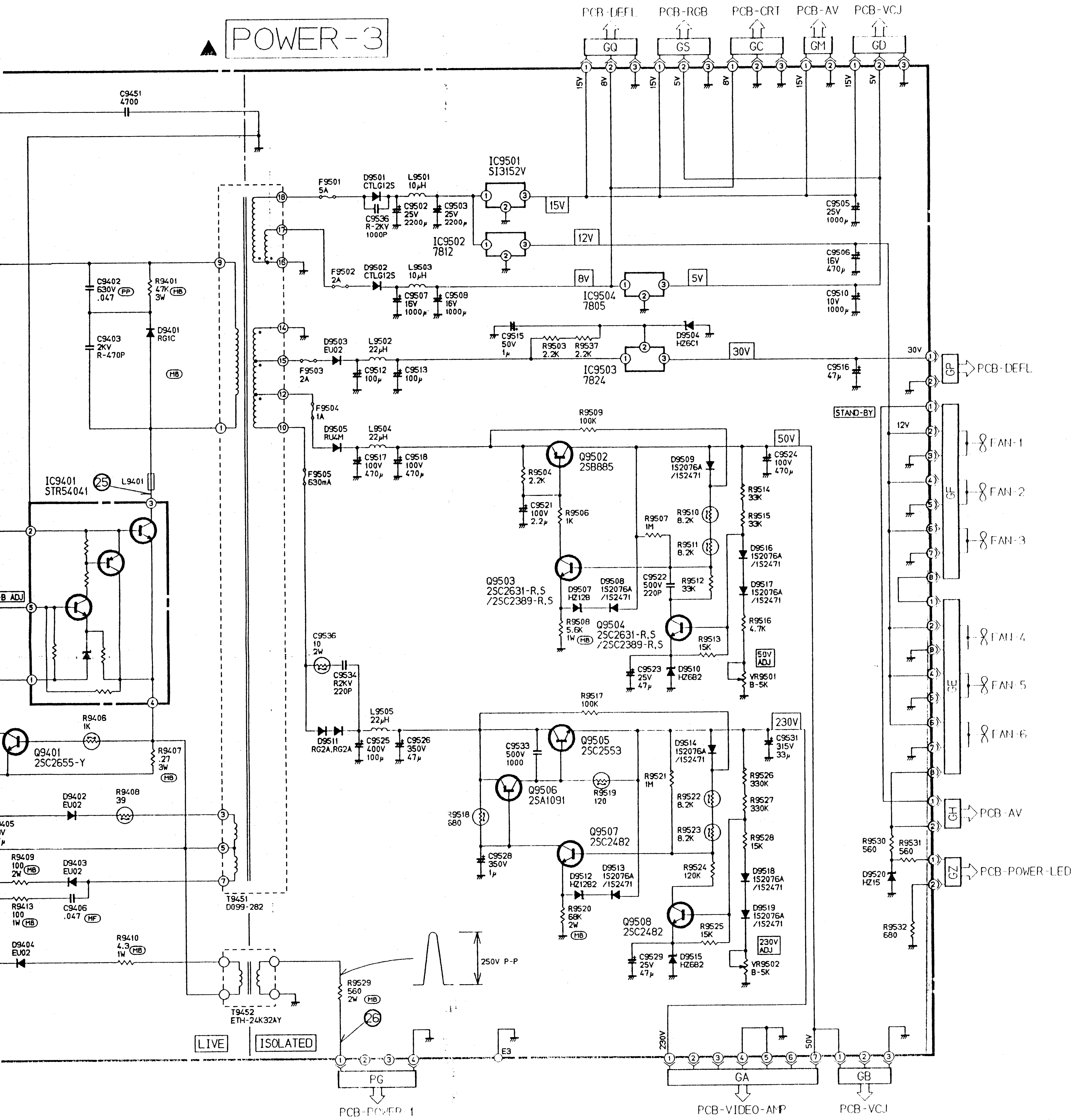

㉓ 270Vp-p(H)

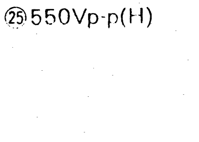

㉔ 240Vp-p(H)


POWER-3
PCB-DEFL
PCB-RGB
PCB-CRT
PCB-AV
GQ
GS
GC
GM
15V
8V
5V
130V
C9306 E-1000P 500V
R9306 1K
D9307 FMG-626S
D9308 R2K5
R9322 5.6 3W
130V
55V~110V
FH-15.5K-35K
L9302 3.9μH
C9312 160V 33
D9311 HZ24-2
D9312 EM01Z /EM1Z
C9313 E-1000 500V
R9320 560
111.4V
C9315 500V E-4700
9304 2SC2655-Y
BA
PCB-DEFL
PE
PCB-POWER-1
250V P-P
PCB-POWER-1
PK
C9451 4700
C9401 400V 330μ
R9403 330K 1/2W
R9412 330K 1/2W
C9402 630V .047
R9401 47K 3W
C9403 2KV R-470P
D9401 RG1C
IC9401 STR54041
㉕
L9401
R9404 120K
VR9401 B-100K
L-B ADJ
R9405 22K
R9406 1K
Q9401 2SC2655-Y
R9407 .27 3W
Q9402 2SA1382
D9402 EU02
R9408 39
C9405 63V 47μ
D9405 EG01
R9409 100 2W
D9403 EU02
R9413 100 1W
C9406 .047
D9404 EU02
R9410 4.3 1W
T9451 D099-282
T9452 ETH-24K32AY
LIVE
ISOLATED
F9501 5A
D9501 CTLG12S
L9501 10μH
C9536 R-2KV 1000P
C9502 25V 2200μ
C9503 25V 2200μ
IC9501 SI3152V
15V
IC9502 7812
12V
F9502 2A
D9502 CTLG12S
L9503 10μH
C9507 16V 1000μ
C9508 16V 1000μ
8V
IC9504 7805
5V
C9505 25V 1000μ
C9506 16V 470μ
C9510 10V 1000μ
C9515 50V 1μ
R9503 2.2K
R9537 2.2K
D9504 HZ6C1
D9503 EU02
L9502 22μH
F9503 2A
C9512 100μ
C9513 100μ
IC9503 7824
30V
C9516 47μ
STAND-BY
F9504 1A
D9505 RU4M
L9504 22μH
C9517 100V 470μ
C9518 100V 470μ
F9505 630mA
R9509 100K
Q9502 2SB885
R9504 2.2K
C9521 100V 2.2μ
R9506 1K
D9509 1S2076A /1S2471
R9507 1M
R9510 8.2K
R9511 8.2K
50V
C9524 100V 470μ
R9514 33K
R9515 33K
D9516 1S2076A /1S2471
D9517 1S2076A /1S2471
R9516 4.7K
Q9503 2SC2631-R,S /2SC2389-R,S
D9507 HZ12B
D9508 1S2076A /1S2471
C9522 500V 220P
R9512 33K
R9508 5.6K 1W
Q9504 2SC2631-R,S /2SC2389-R,S
R9513 15K
C9523 25V 47μ
D9510 HZ6B2
50V ADJ
VR9501 B-5K
C9536 10 2W
C9534 R2KV 220P
L9505 22μH
D9511 RG2A,RG2A
C9525 400V 100μ
C9526 350V 47μ
R9517 100K
230V
C9533 500V 1000
Q9505 2SC2553
D9514 1S2076A /1S2471
C9531 315V 33μ
R9521 1M
Q9506 2SA1091
R9519 120
R9518 680
R9526 330K
R9527 330K
R9522 8.2K
R9523 8.2K
Q9507 2SC2482
R9528 15K
C9528 350V 1μ
D9512 HZ12B2
D9513 1S2076A /1S2471
R9524 120K
D9518 1S2076A /1S2471
D9519 1S2076A /1S2471
R9520 68K 2W
Q9508 2SC2482
R9525 15K
230V ADJ
C9529 25V 47μ
D9515 HZ6B2
VR9502 B-5K
250V P-P
R9529 560 2W
㉖
E3
230V
50V
PG
PCB-POWER-1
GA
PCB-VIDEO-AMP
PCB-

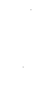

㉕550Vp-p(H)


㉖240Vp-p(H)

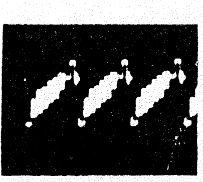

POWER-3
PCB-DEFL
PCB-RGB
PCB-CRT
PCB-AV
PCB-VCJ
GQ
GS
GC
GM
GD
15V
8V
5V
C9451
4700
IC9501
SI3152V
F9501
5A
D9501
CTLG12S
L9501
10μH
C9502
25V
2200μ
C9503
25V
2200μ
C9536
R-2KV
1000P
C9505
25V
1000μ
IC9502
7812
12V
C9506
16V
470μ
F9502
2A
D9502
CTLG12S
L9503
10μH
C9507
16V
1000μ
C9508
16V
1000μ
IC9504
7805
C9510
10V
1000μ
C9402
630V
.047
PP
R9401
47K
3W
MB
C9403
2KV
R-470P
D9401
RG1C
MB
D9503
EU02
L9502
22μH
F9503
2A
C9512
100μ
C9513
100μ
C9515
50V
1μ
R9503
2.2K
R9537
2.2K
D9504
HZ6C1
IC9503
7824
30V
C9516
47μ
GP
PCB-DEFL
STAND-BY
F9504
1A
D9505
RU4M
L9504
22μH
C9517
100V
470μ
C9518
100V
470μ
R9509
100K
Q9502
2SB885
50V
C9524
100V
470μ
R9504
2.2K
D9509
1S2076A
/1S2471
R9514
33K
C9521
100V
2.2μ
R9506
1K
R9507
1M
R9510
8.2K
R9515
33K
R9511
8.2K
D9516
1S2076A
/1S2471
Q9503
2SC2631-R,S
/2SC2389-R,S
D9507
HZ12B
D9508
1S2076A
/1S2471
C9522
500V
220P
R9512
33K
D9517
1S2076A
/1S2471
R9508
5.6K
1W
MB
Q9504
2SC2631-R,S
/2SC2389-R,S
R9516
4.7K
R9513
15K
50V ADJ
C9523
25V
47μ
D9510
HZ6B2
VR9501
B-5K
12V
GF
FAN-1
FAN-2
FAN-3
GE
FAN-4
FAN-5
FAN-6
IC9401
STR54041
㉕
L9401
B ADJ
F9505
630mA
C9536
10
2W
C9534
R2KV
220P
L9505
22μH
R9517
100K
230V
D9511
RG2A,RG2A
C9525
400V
100μ
C9526
350V
47μ
C9533
500V
1000
Q9505
2SC2553
D9514
1S2076A
/1S2471
C9531
315V
33μ
Q9506
2SA1091
R9519
120
R9521
1M
R9526
330K
R9518
680
R9522
8.2K
R9527
330K
Q9507
2SC2482
R9523
8.2K
R9528
15K
C9528
350V
1μ
D9512
HZ12B2
D9513
1S2076A
/1S2471
R9524
120K
D9518
1S2076A
/1S2471
R9520
68K
2W
MB
Q9508
2SC2482
R9525
15K
D9519
1S2076A
/1S2471
230V ADJ
C9529
25V
47μ
D9515
HZ6B2
VR9502
B-5K
GH
PCB-AV
R9530
560
R9531
560
D9520
HZ15
GZ
PCB-POWER-LED
R9532
680
R9406
1K
Q9401
2SC2655-Y
R9407
.27
3W
MB
D9402
EU02
R9408
39
R9409
100
2W
MB
D9403
EU02
R9413
100
1W
MB
C9406
.047
MF
R9410
4.3
1W
MB
D9404
EU02
T9451
D099-282
T9452
ETH-24K32AY
250V P-P
R9529
560
2W
MB
㉖
LIVE
ISOLATED
E3
PG
PCB-POWER-1
GA
PCB-VIDEO-AMP
GB
PCB-VCJ



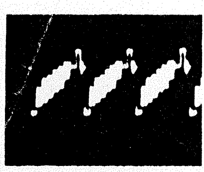
㉕550Vp-p(H)



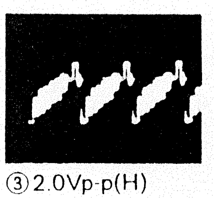
㉖240Vp p(H)



①2.2Vp-p(H)

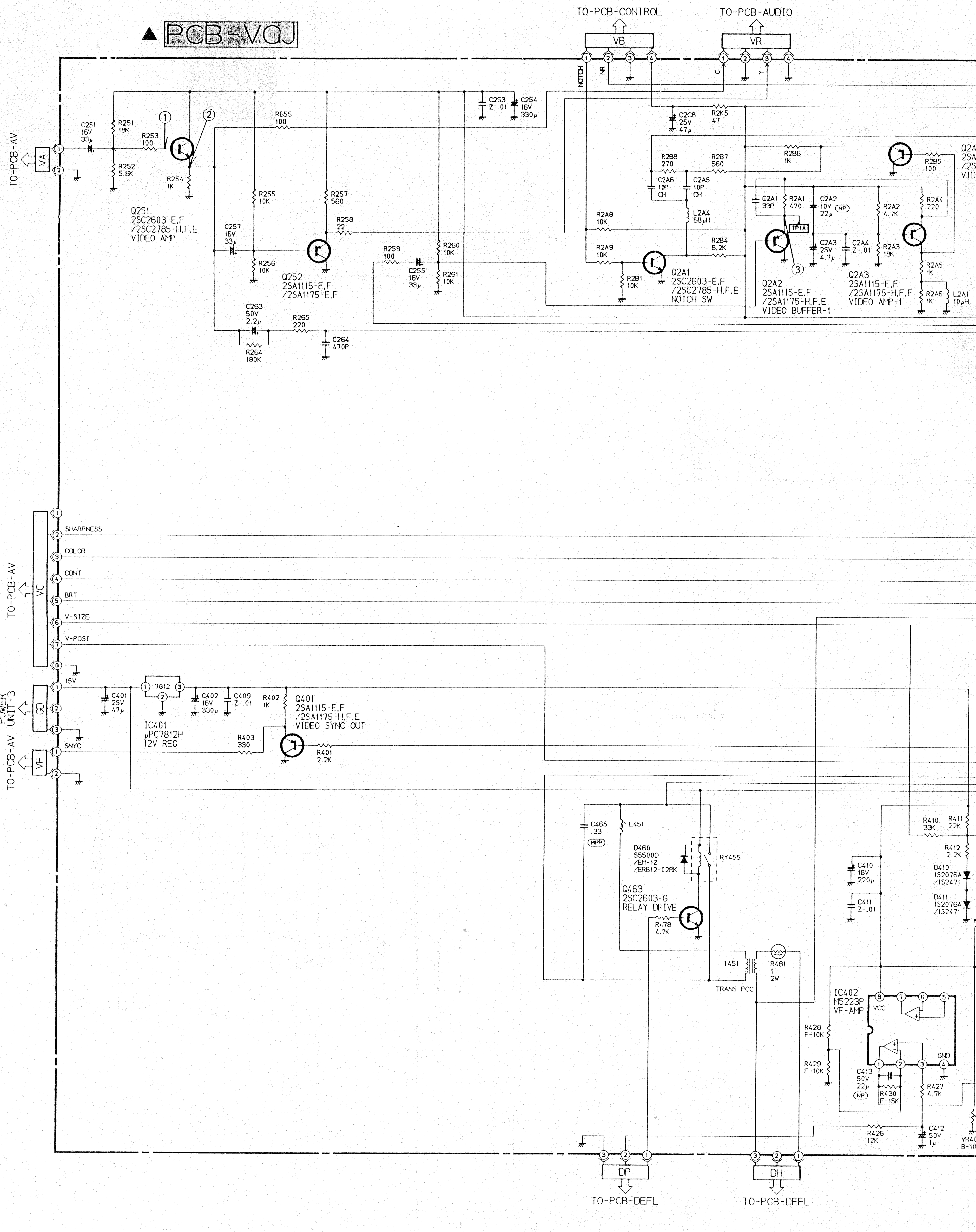


②2.2Vp-p(H)

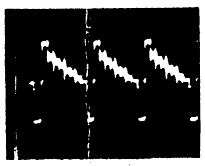


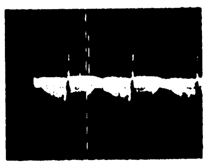
③2.0Vp-p(H)

▲ PCB-VGJ



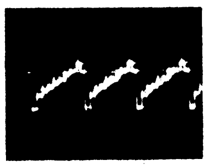
TO-PCB-CONTROL
VB
NOTCH
NR
TO-PCB-AUDIO
VR
C
Y
TO-PCB-AV
VA
C251 16V 33μ
R251 18K
R252 5.6K
R253 100
R254 1K
Q251 2SC2603-E,F /2SC2785-H,F,E VIDEO-AMP
R655 100
C253 Z-.01
C254 16V 330μ
R255 10K
R256 10K
R257 560
R258 22
C257 16V 33μ
Q252 2SA1115-E,F /2SA1175-E,F
R259 100
C255 16V 33μ
R260 10K
R261 10K
C263 50V 2.2μ
R264 180K
R265 220
C264 470P
C2C8 25V 47μ
R2K5 47
R288 270
R287 560
C2A6 10P CH
C2A5 10P CH
L2A4 68μH
R2A8 10K
R2A9 10K
R2B4 8.2K
R2B1 10K
Q2A1 2SC2603-E,F /2SC2785-H,F,E NOTCH SW
R286 1K
R2B5 100
C2A1 33P
R2A1 470
C2A2 10V NP 22μ
TP1A
C2A3 25V 4.7μ
C2A4 Z-.01
R2A2 4.7K
R2A3 18K
R2A4 220
R2A5 1K
R2A6 1K
L2A1 10μH
Q2A2 2SA1115-E,F /2SA1175-H,F,E VIDEO BUFFER-1
Q2A3 2SA1115-E,F /2SA1175-H,F,E VIDEO AMP-1
Q2A 2SA /2S VID
TO-PCB-AV
VC
SHARPNESS
COLOR
CONT
BRT
V-SIZE
V-POSI
15V
POWER UNIT-3
GD
C401 25V 47μ
7812
IC401 μPC7812H 12V REG
C402 16V 330μ
C409 Z-.01
R402 1K
Q401 2SA1115-E,F /2SA1175-H,F,E VIDEO SYNC OUT
R403 330
R401 2.2K
TO-PCB-AV
VF
SNYC
C465 .33 MPP
L451
D460 SS500D /EM-1Z /ERB12-02RK
RY455
Q463 2SC2603-G RELAY DRIVE
R478 4.7K
T451
TRANS PCC
R481 1 2W
R410 33K
R411 22K
R412 2.2K
C410 16V 220μ
C411 Z-.01
D410 1S2076A /1S2471
D411 1S2076A /1S2471
IC402 M5223P VF-AMP
VCC
GND
R428 F-10K
R429 F-10K
C413 50V 22μ NP
R430 F-15K
R427 4.7K
R426 12K
C412 50V 1μ
VR40 B-10
DP
TO-PCB-DEFL
DH
TO-PCB-DEFL

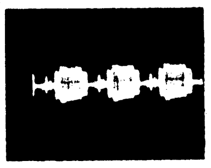

①5.4Vp-p(H)

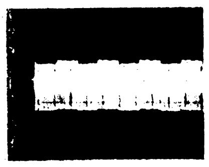

⑤5.6Vp-p(H)

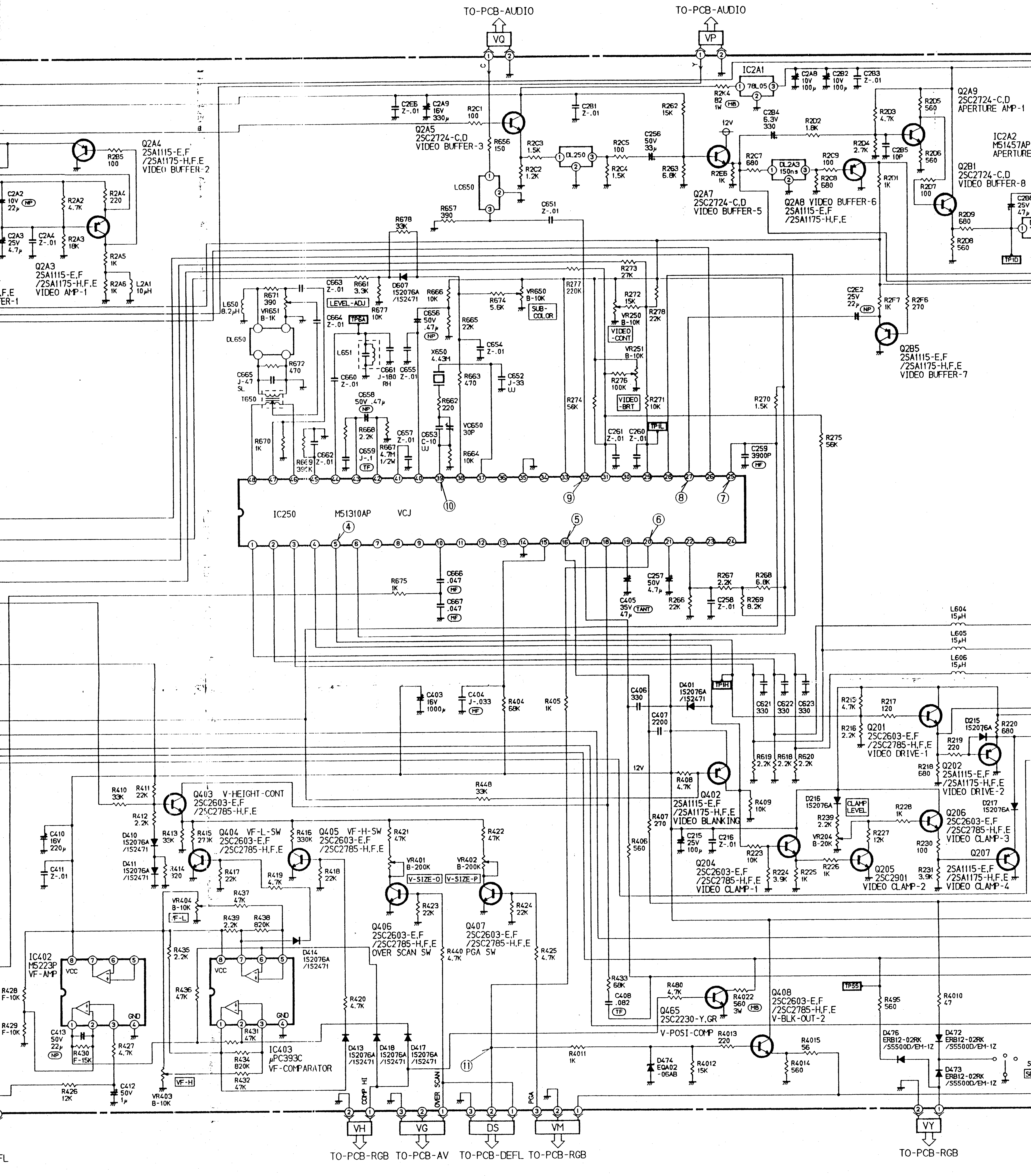
⑥6.0Vp-p(V)

⑦8.8Vp-p(H)

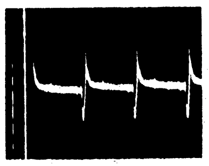

⑧0.7Vp-p(H)

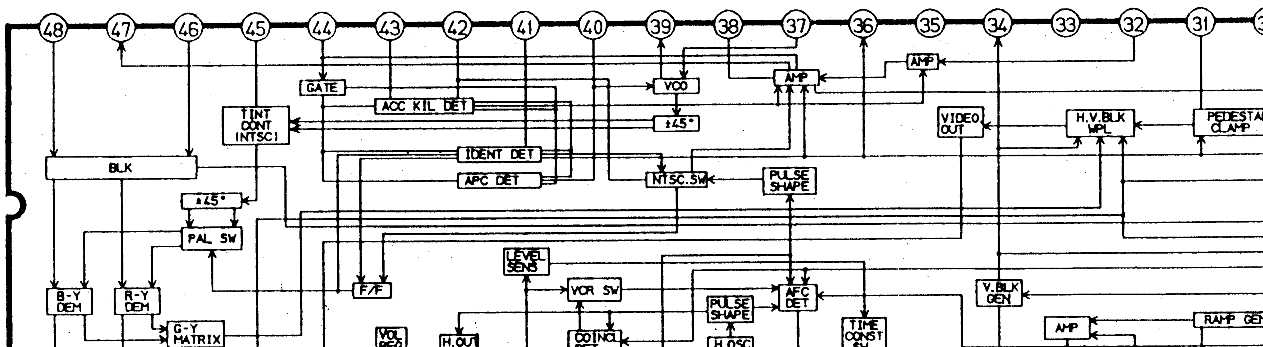

⑨0.2Vp-p(H)


⑩0.6Vp-p(H)



TO-PCB-AUDIO
VQ
TO-PCB-AUDIO
VP
IC2A1
78L05
C2A8 10V 100μ
C2B2 10V 100μ
C2B3 Z-.01
R2K4 82 1W
Q2A9
2SC2724-C,D
APERTURE AMP-1
IC2A2
M51457AP
APERTURE
C2E6 Z-.01
C2A9 16V 330μ
R2C1 100
Q2A5
2SC2724-C,D
VIDEO BUFFER-3
R656 150
C2B1 Z-.01
R262 15K
C2B4 6.3V 330
R2D2 1.8K
R2D3 4.7K
R2D5 560
Q2A4
2SA1115-E,F
/2SA1175-H,F,E
VIDEO BUFFER-2
R2B5 100
R2C3 1.5K
DL250
R2C5 100
C2B6 50V 33μ
12V
R2C7 680
DL2A3 150ns
R2C9 100
R2D4 2.7K
C2B5 10P
R2D6 560
Q2B1
2SC2724-C,D
VIDEO BUFFER-8
R2C2 1.2K
R2C4 1.5K
R263 6.8K
R2E6 1K
R2C8 680
R2D1 1K
R2D7 100
C2A2 10V 22μ
R2A2 4.7K
R2A4 220
LC650
Q2A7
2SC2724-C,D
VIDEO BUFFER-5
Q2A8 VIDEO BUFFER-6
2SA1115-E,F
/2SA1175-H,F,E
R2D9 680
R2D8 560
TP1D
C2A3 25V 4.7μ
C2A4 Z-.01
R2A3 18K
R657 390
C651 Z-.01
R678 33K
Q2A3
2SA1115-E,F
/2SA1175-H,F,E
VIDEO AMP-1
R2A5 1K
R2A6 1K
L2A1 10μH
L650 8.2μH
R671 390
VR651 B-1K
C663 Z-.01
R661 3.3K
D607 1S2076A /1S2471
R666 10K
VR650 B-10K
R277 220K
R273 27K
R272 15K
C2E2 25V 22μ
R2F7 1K
R2F6 270
LEVEL-ADJ
TP6A
R677 10K
R674 5.6K
SUB-COLOR
VR250 B-10K
VIDEO-CONT
R278 22K
DL650
C664 Z-.01
C656 50V .47μ
R665 22K
C654 Z-.01
VR251 B-10K
Q2B5
2SA1115-E,F
/2SA1175-H,F,E
VIDEO BUFFER-7
R672 470
L651
X650 4.43M
C665 J-47 SL
C660 Z-.01
C661 J-180 RH
C655 Z-.01
R663 470
C652 J-33 UJ
R276 100K
T650
C658 50V .47μ
R662 220
R274 56K
VIDEO-BRT
R271 10K
R270 1.5K
R670 1K
R668 2.2K
C657 Z-.01
C653 C-10 UJ
VC650 30P
C261 Z-.01
C260 Z-.01
TP1L
R275 56K
C659 J-.1
R667 4.7M 1/2W
R664 10K
R669 390K
C662 Z-.01
C259 3900P
IC250
M51310AP
VCJ
R675 1K
C666 .047
C667 .047
C405 35V 47μ
C257 50V 4.7μ
R266 22K
R267 2.2K
C258 Z-.01
R268 6.8K
R269 8.2K
L604 15μH
L605 15μH
L606 15μH
C403 16V 1000μ
C404 J-.033
R404 68K
R405 1K
C406 330
D401 1S2076A /1S2471
TP1H
C621 330
C622 330
C623 330
R215 4.7K
R217 120
D215 1S2076A
R220 680
C407 2200
R216 2.2K
Q201
2SC2603-E,F
/2SC2785-H,F,E
VIDEO DRIVE-1
R219 220
12V
R619 2.2K
R618 2.2K
R620 2.2K
R218 680
Q202
2SA1115-E,F
/2SA1175-H,F,E
VIDEO DRIVE-2
R408 4.7K
Q402
2SA1115-E,F
/2SA1175-H,F,E
VIDEO BLANKING
R409 10K
D216 1S2076A
CLAMP LEVEL
R228 1K
Q206
2SC2603-E,F
/2SC2785-H,F,E
VIDEO CLAMP-3
D217 1S2076A
R448 33K
R410 33K
R411 22K
Q403 V-HEIGHT-CONT
2SC2603-E,F
/2SC2785-H,F,E
R412 2.2K
R407 270
R239 2.2K
VR204 B-20K
R227 12K
R230 100
Q207
C410 16V 220μ
D410 1S2076A /1S2471
R413 33K
R415 270K
Q404 VF-L-SW
2SC2603-E,F
/2SC2785-H,F,E
R416 330K
Q405 VF-H-SW
2SC2603-E,F
/2SC2785-H,F,E
R421 47K
R422 47K
C215 25V 100μ
C216 Z-.01
R223 10K
R406 560
Q204
2SC2603-E,F
/2SC2785-H,F,E
VIDEO CLAMP-1
R224 3.9K
R225 1K
R226 1K
Q205
2SC2901
VIDEO CLAMP-2
R231 3.9K
2SA1115-E,F
/2SA1175-H,F,E
VIDEO CLAMP-4
D411 1S2076A /1S2471
C411 Z-.01
R414 820
R417 22K
R419 4.7K
R418 22K
VR401 B-200K
V-SIZE-O
VR402 B-200K
V-SIZE-P
R437 47K
VR404 B-10K
VF-L
R423 22K
R424 22K
R439 2.2K
R438 820K
Q406
2SC2603-E,F
/2SC2785-H,F,E
OVER SCAN SW
Q407
2SC2603-E,F
/2SC2785-H,F,E
PGA SW
R440 4.7K
R425 4.7K
IC402
M5223P
VF-AMP
VCC
GND
R435 2.2K
D414 1S2076A /1S2471
R436 47K
R420 4.7K
R433 68K
C408 .082
R480 4.7K
Q465
2SC2230-Y,GR
V-POSI-COMP
R4022 560 3W
Q408
2SC2603-E,F
/2SC2785-H,F,E
V-BLK-OUT-2
TP55
R495 560
R4010 47
R428 F-10K
R429 F-10K
C413 50V 22μ
R430 F-15K
R427 4.7K
R431 47K
R434 820K
R432 47K
IC403
μPC393C
VF-COMPARATOR
D413 1S2076A /1S2471
D418 1S2076A /1S2471
D417 1S2076A /1S2471
R4013 220
R4015 56
R4011 1K
D474 EQA02 -06AB
R4012 15K
R4014 560
D476 ERB12-02RK /S5500D/EM-1Z
D472 ERB12-02RK /S5500D/EM-1Z
D473 ERB12-02RK /S5500D/EM-1Z
R426 12K
C412 50V 1μ
VR403 B-10K
VF-H
COMP HI
OVER SCAN
PGA
VH
VG
DS
VM
VY
TO-PCB-RGB
TO-PCB-AV
TO-PCB-DEFL
TO-PCB-RGB
TO-PCB-RGB
FL


⑪0.2Vp-p(H)



48
47
46
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44
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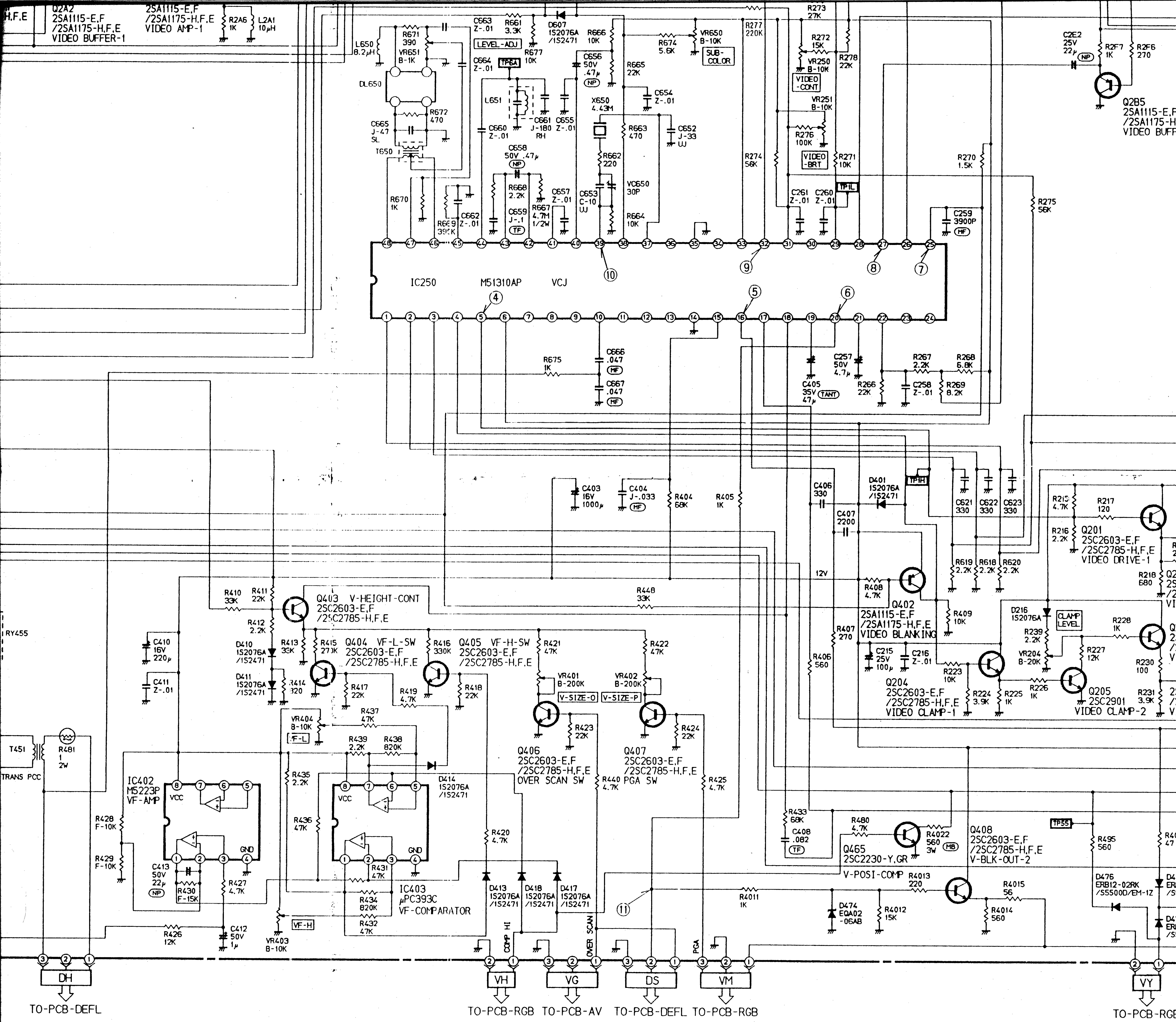
41
40
39
38
37
36
35
34
33
32
31
GATE
ACC KIL DET
VCO
±45°
AMP
AMP
TINT CONT (NTSC)
IDENT DET
APC DET
VIDEO OUT
H,V,BLK WPL
PEDESTAL CLAMP
BLK
NTSC.SW
PULSE SHAPE
±45°
PAL SW
LEVEL SENS
VCR SW
F/F
B-Y DEM
R-Y DEM
G-Y MATRIX
PULSE SHAPE
AFC DET
TIME CONST
V.BLK GEN
AMP
RAMP GEN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/2SA1175-H,F,E
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2SA1115-E,F
/2SA1175-H,F,E
VIDEO AMP-1
R2A6 1K
L2A1 10μH
L650 8.2μH
R671 390
VR651 B-1K
DL650
R672 470
C665 J-47 SL
T650
R670 1K
R669 390K
C662 Z-.01
C663 Z-.01
R661 3.3K
LEVEL-ADJ
R677 10K
C664 Z-.01
TP6A
L651
C660 Z-.01
C661 J-180 RH
C655 Z-.01
C658 50V .47μ NP
R668 2.2K
C659 J-.1 TF
R667 4.7M 1/2W
C657 Z-.01
D607 1S2076A /1S2471
R666 10K
C656 50V .47μ NP
R665 22K
X650 4.43M
R662 220
C653 C-10 UJ
VC650 30P
R663 470
R664 10K
C654 Z-.01
C652 J-33 UJ
R674 5.6K
VR650 B-10K
SUB-COLOR
R277 220K
R274 56K
R273 27K
R272 15K
VR250 B-10K
VIDEO-CONT
R278 22K
VR251 B-10K
R276 100K
VIDEO-BRT
R271 10K
C261 Z-.01
C260 Z-.01
TP1L
R270 1.5K
R275 56K
C259 3900P HF
C2E2 25V 22μ NP
R2F7 1K
R2F6 270
Q2B5
2SA1115-E,F
/2SA1175-H
VIDEO BUFF
IC250 M51310AP VCJ
④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩
R675 1K
C666 .047 HF
C667 .047 HF
C405 35V 47μ TANT
C257 50V 4.7μ
R266 22K
R267 2.2K
C258 Z-.01
R268 6.8K
R269 8.2K
C403 16V 1000μ
C404 J-.033 HF
R404 68K
R405 1K
C406 330
C407 2200
D401 1S2076A /1S2471
TP1H
C621 330
C622 330
C623 330
R619 2.2K
R618 2.2K
R620 2.2K
12V
R408 4.7K
Q402
2SA1115-E,F
/2SA1175-H,F,E
VIDEO BLANKING
R409 10K
R407 270
R406 560
C215 25V 100μ
C216 Z-.01
R223 10K
Q204
2SC2603-E,F
/2SC2785-H,F,E
VIDEO CLAMP-1
R224 3.9K
R225 1K
R226 1K
Q205 2SC2901
VIDEO CLAMP-2
R215 4.7K
R217 120
R216 2.2K
Q201
2SC2603-E,F
/2SC2785-H,F,E
VIDEO DRIVE-1
R218 680
D216 1S2076A
CLAMP LEVEL
R239 2.2K
VR204 B-20K
R227 12K
R228 1K
R230 100
R231 3.9K
RY455
R410 33K
R411 22K
Q403 V-HEIGHT-CONT
2SC2603-E,F
/2SC2785-H,F,E
R412 2.2K
D410 1S2076A /1S2471
D411 1S2076A /1S2471
R413 33K
R414 820
C410 16V 220μ
C411 Z-.01
R415 27K
Q404 VF-L-SW
2SC2603-E,F
/2SC2785-H,F,E
R417 22K
Q405 VF-H-SW
2SC2603-E,F
/2SC2785-H,F,E
R416 330K
R418 22K
R419 4.7K
R448 33K
R421 47K
VR401 B-200K
V-SIZE-O
R422 47K
VR402 B-200K
V-SIZE-P
R423 22K
R424 22K
Q406
2SC2603-E,F
/2SC2785-H,F,E
OVER SCAN SW
Q407
2SC2603-E,F
/2SC2785-H,F,E
PGA SW
R440 4.7K
R425 4.7K
VR404 B-10K
VF-L
R437 47K
R439 2.2K
R438 820K
D414 1S2076A /1S2471
R435 2.2K
R436 47K
T451
R481 1 2W
TRANS PCC
IC402 M5223P VF-AMP
VCC
GND
R428 F-10K
R429 F-10K
C413 50V 22μ NP
R430 F-15K
R427 4.7K
C412 50V 1μ
R426 12K
VR403 B-10K
VF-H
IC403 μPC393C VF-COMPARATOR
R431 47K
R434 820K
R432 47K
R420 4.7K
D413 1S2076A /1S2471
D418 1S2076A /1S2471
D417 1S2076A /1S2471
COMP HI
OVER SCAN
PGA
R433 68K
C408 .082 TF
R480 4.7K
Q465 2SC2230-Y,GR
R4022 560 3W MB
V-POSI-COMP
Q408
2SC2603-E,F
/2SC2785-H,F,E
V-BLK-OUT-2
TP55
R4013 220
R4011 1K
⑪
D474 EQA02 -06AB
R4012 15K
R4015 56
R4014 560
R495 560
D476 ERB12-02RK /SS500D/EM-1Z
DH
TO-PCB-DEFL
VH
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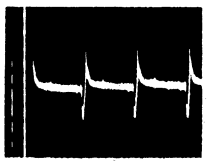
VM
TO-PCB-RGB
VY
TO-PCB-RGB



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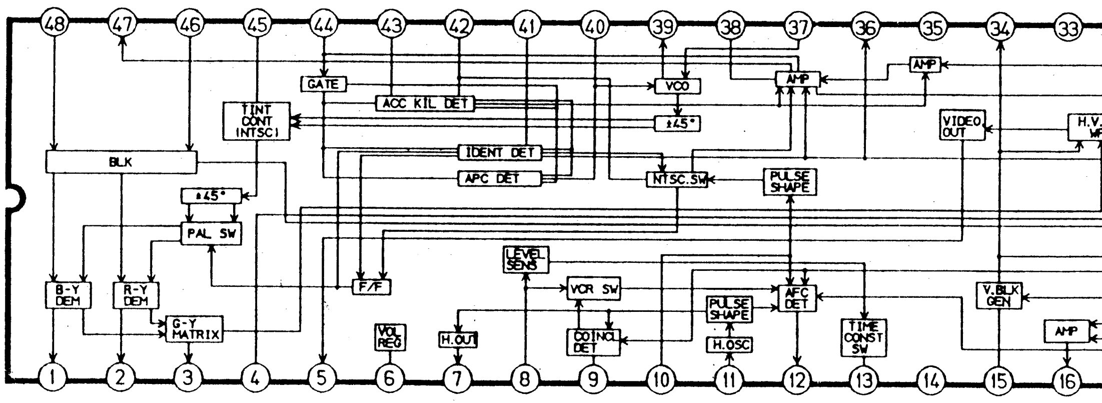
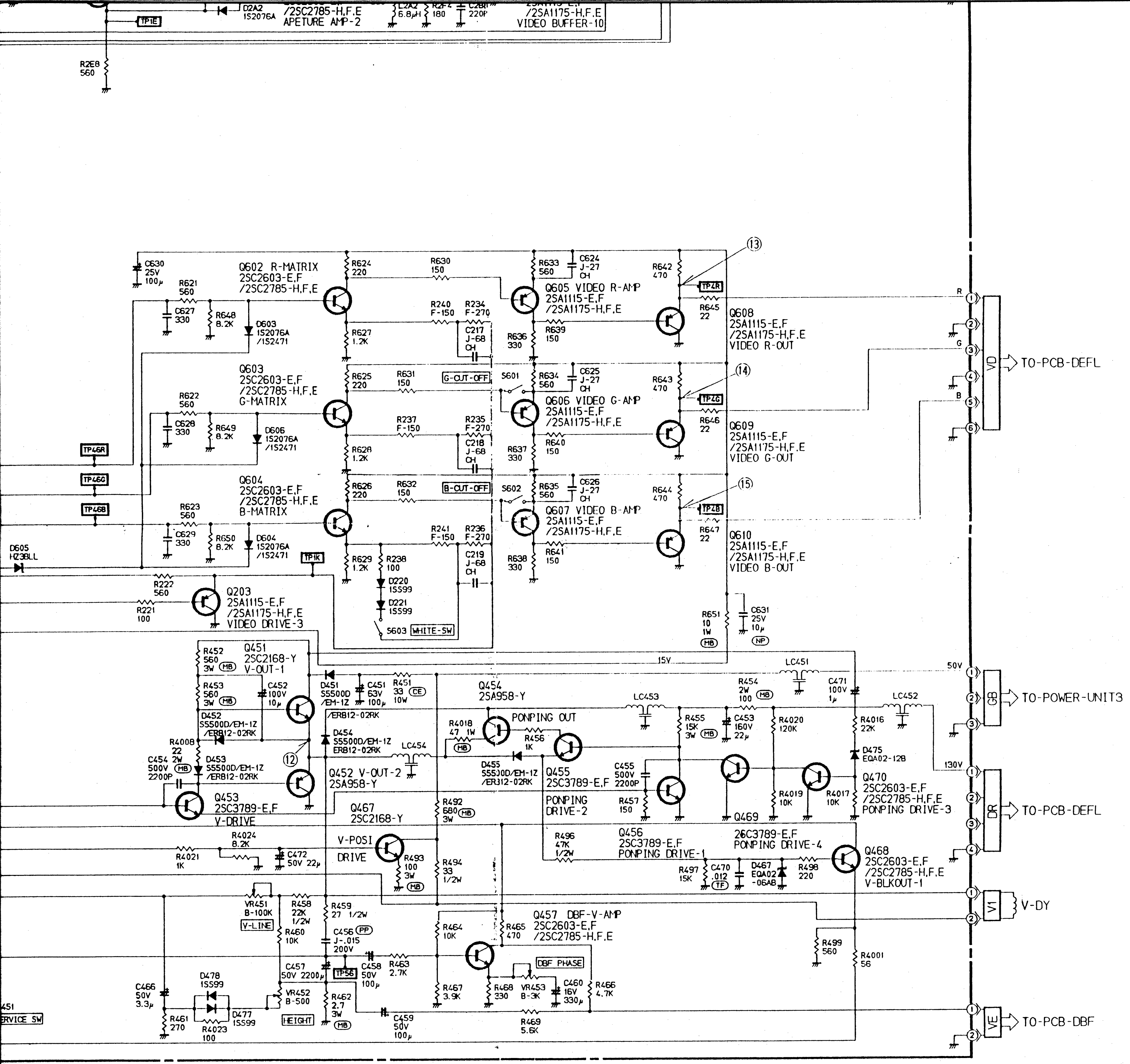

GATE
ACC KIL DET
VCO
AMP
±45°
TINT CONT INTSC1
BLK
IDENT DET
APC DET
NTSC SW
PULSE SHAPE
VIDEO OUT
±45°
PAL SW
LEVEL SENS
VCR SW
F/F
B-Y DEM
R-Y DEM
G-Y MATRIX
VOL REG
H.OUT
COINCI DET
PULSE SHAPE
H.OSC
AFC DET
TIME CONST SW
V.BLK GEN
AMP

IC250
M51310AP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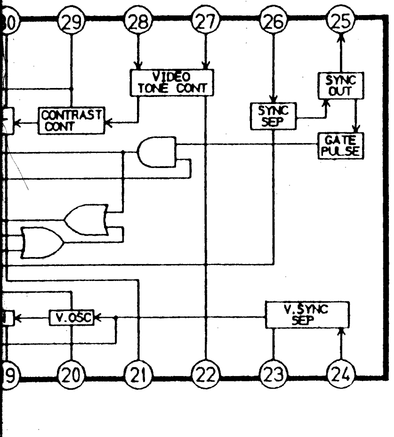
Q603 2SC2603-E,F /2SC2785-H,F,E G-MATRIX
Q604 2SC2603-E,F /2SC2785-H,F,E B-MATRIX
Q605 VIDEO R-AMP 2SA1115-E,F /2SA1175-H,F,E
Q606 VIDEO G-AMP 2SA1115-E,F /2SA1175-H,F,E
Q607 VIDEO B-AMP 2SA1115-E,F /2SA1175-H,F,E
Q608 2SA1115-E,F /2SA1175-H,F,E VIDEO R-OUT
Q609 2SA1115-E,F /2SA1175-H,F,E VIDEO G-OUT
Q610 2SA1115-E,F /2SA1175-H,F,E VIDEO B-OUT
Q203 2SA1115-E,F /2SA1175-H,F,E VIDEO DRIVE-3
2SC2785-H,F,E APETURE AMP-2
2SA1175-H,F,E VIDEO BUFFER-10
Q451 2SC2168-Y V-OUT-1
Q452 V-OUT-2 2SA958-Y
Q453 2SC3789-E,F V-DRIVE
Q454 2SA958-Y PONPING OUT
Q455 2SC3789-E,F PONPING DRIVE-2
Q456 2SC3789-E,F PONPING DRIVE-1
Q469 2SC3789-E,F PONPING DRIVE-4
Q470 2SC2603-E,F /2SC2785-H,F,E PONPING DRIVE-3
Q467 2SC2168-Y V-POSI DRIVE
Q468 2SC2603-E,F /2SC2785-H,F,E V-BLKOUT-1
Q457 DBF-V-AMP 2SC2603-E,F /2SC2785-H,F,E
G-CUT-OFF
B-CUT-OFF
WHITE-SW
V-LINE
HEIGHT
DBF PHASE
SERVICE SW
TP1E
TP46R
TP46G
TP46B
TP1K
TPZR
TPZG
TPZB
TP56
⑫
⑬
⑭
⑮
15V
50V
130V
VD
CB
DR
V1
VE
R
G
B
TO-PCB-DEFL
TO-POWER-UNIT3
TO-PCB-DEFL
V-DY
TO-PCB-DBF


29
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27
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25
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23
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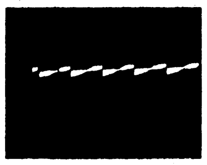
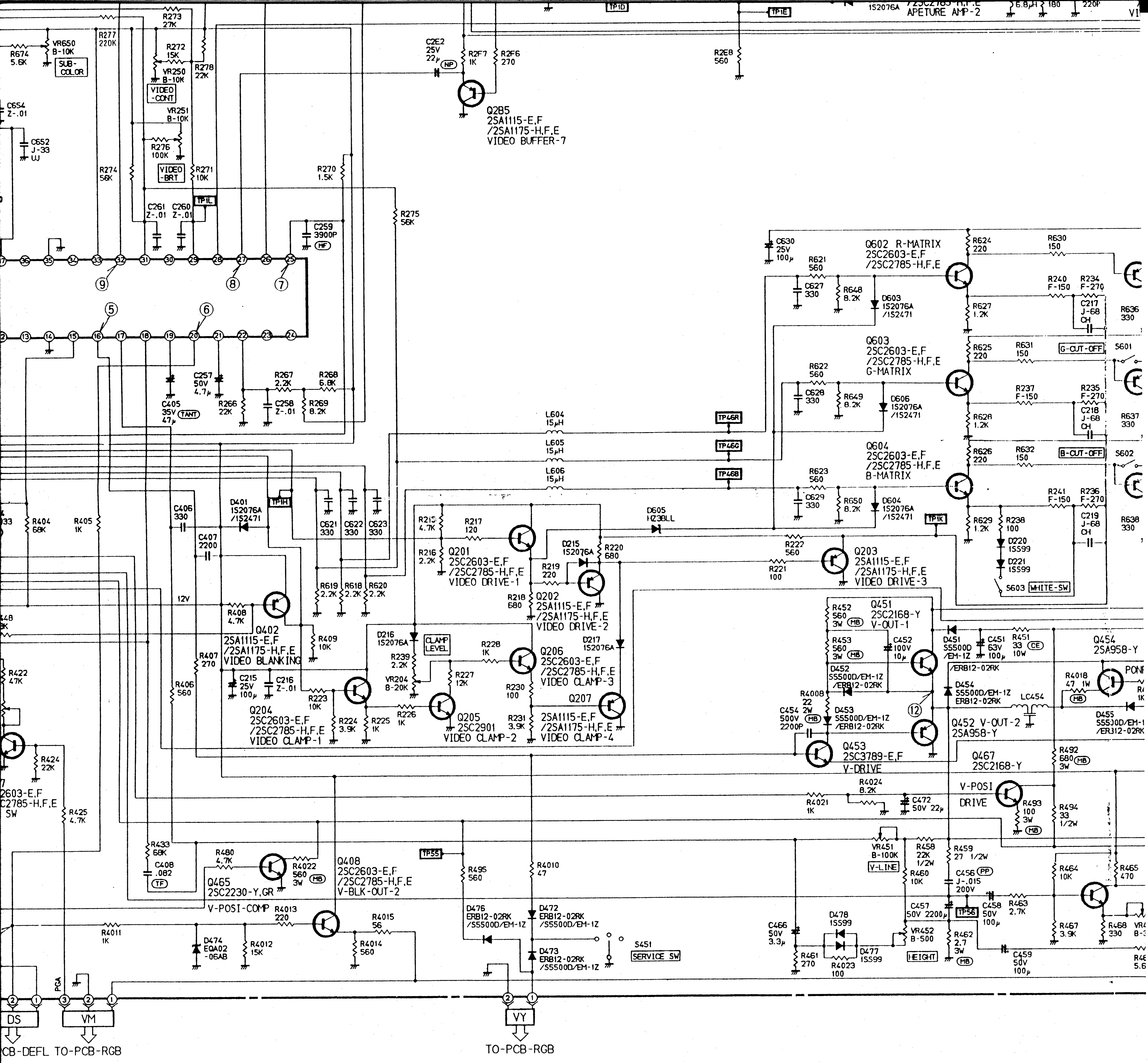
VIDEO TONE CONT
SYNC OUT
SYNC SEP
CONTRAST CONT
GATE PULSE
V.OSC
V.SYNC SEP



⑫130Vp-p(V)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R674 5.6K
VR650 B-10K
SUB-COLOR
R272 15K
VR250 B-10K
VIDEO-CONT
R278 22K
C654 Z-.01
VR251 B-10K
C652 J-33 UJ
R276 100K
VIDEO-BRT
R274 56K
R271 10K
R270 1.5K
C261 Z-.01
C260 Z-.01
TP1L
R275 56K
C259 3900P HF
C2E2 25V 22μ NP
R2F7 1K
R2F6 270
Q2B5 2SA1115-E,F /2SA1175-H,F,E VIDEO BUFFER-7
TP1D
TP1E
R2E8 560
1S2076A
/2SC2785-H,F,E APETURE AMP-2
6.8μH
180
220P
C630 25V 100μ
R621 560
C627 330
R648 8.2K
D603 1S2076A /1S2471
Q602 R-MATRIX 2SC2603-E,F /2SC2785-H,F,E
R624 220
R630 150
R240 F-150
R234 F-270
C217 J-68 CH
R627 1.2K
R636 330
Q603 2SC2603-E,F /2SC2785-H,F,E G-MATRIX
R625 220
R631 150
G-CUT-OFF
S601
R622 560
C628 330
R649 8.2K
D606 1S2076A /1S2471
R237 F-150
R235 F-270
C218 J-68 CH
R628 1.2K
R637 330
Q604 2SC2603-E,F /2SC2785-H,F,E B-MATRIX
R626 220
R632 150
B-CUT-OFF
S602
R623 560
C629 330
R650 8.2K
D604 1S2076A /1S2471
R241 F-150
R236 F-270
C219 J-68 CH
R629 1.2K
R238 100
D220 1S599
D221 1S599
R638 330
S603 WHITE-SW
TP1K
TP46R
TP46G
TP46B
L604 15μH
L605 15μH
L606 15μH
C405 35V 47μ TANT
C257 50V 4.7μ
R266 22K
R267 2.2K
C258 Z-.01
R268 6.8K
R269 8.2K
R404 68K
R405 1K
C406 330
D401 1S2076A /1S2471
TP1H
C407 2200
C621 330
C622 330
C623 330
R215 4.7K
R217 120
R216 2.2K
Q201 2SC2603-E,F /2SC2785-H,F,E VIDEO DRIVE-1
D215 1S2076A
R220 680
R219 220
D605 HZ3BLL
R222 560
R221 100
Q203 2SA1115-E,F /2SA1175-H,F,E VIDEO DRIVE-3
R619 2.2K
R618 2.2K
R620 2.2K
12V
R408 4.7K
Q402 2SA1115-E,F /2SA1175-H,F,E VIDEO BLANKING
R409 10K
R218 680
Q202 2SA1115-E,F /2SA1175-H,F,E VIDEO DRIVE-2
D216 1S2076A
CLAMP LEVEL
R228 1K
D217 1S2076A
R239 2.2K
VR204 B-20K
R227 12K
Q206 2SC2603-E,F /2SC2785-H,F,E VIDEO CLAMP-3
R230 100
Q207
R422 47K
R407 270
R406 560
C215 25V 100μ
C216 Z-.01
R223 10K
Q204 2SC2603-E,F /2SC2785-H,F,E VIDEO CLAMP-1
R224 3.9K
R225 1K
R226 1K
Q205 2SC2901 VIDEO CLAMP-2
R231 3.9K
2SA1115-E,F /2SA1175-H,F,E VIDEO CLAMP-4
R424 22K
2603-E,F 2SC2785-H,F,E SW
R425 4.7K
R452 560 3W MB
Q451 2SC2168-Y V-OUT-1
R453 560 3W MB
C452 100V 10μ
D451 S5500D /EM-1Z
C451 63V 100μ
R451 33 10W CE
Q454 2SA958-Y
D452 S5500D/EM-1Z /ERB12-02RK
/ERB12-02RK
D454 S5500D/EM-1Z ERB12-02RK
LC454
R4018 47 1W MB
R4008 22 2W
C454 500V 2200P MB
D453 S5500D/EM-1Z /ERB12-02RK
⑫
Q452 V-OUT-2 2SA958-Y
D455 S5500D/EM-1Z /ERB12-02RK
Q453 2SC3789-E,F V-DRIVE
R492 680 3W MB
Q467 2SC2168-Y
R4024 8.2K
R4021 1K
C472 50V 22μ
V-POSI DRIVE
R493 100 3W MB
R494 33 1/2W
R433 68K
C408 .082 TF
R480 4.7K
Q465 2SC2230-Y,GR V-POSI-COMP
R4022 560 3W MB
Q408 2SC2603-E,F /2SC2785-H,F,E V-BLK-OUT-2
TP55
R495 560
R4010 47
VR451 B-100K V-LINE
R458 22K 1/2W
R459 27 1/2W
R460 10K
C456 PP J-.015 200V
R464 10K
R465 470
R4013 220
R4015 56
R4011 1K
D474 EQA02-06AB
R4012 15K
R4014 560
D476 ERB12-02RK /S5500D/EM-1Z
D472 ERB12-02RK /S5500D/EM-1Z
D473 ERB12-02RK /S5500D/EM-1Z
S451 SERVICE SW
C466 50V 3.3μ
D478 1S599
R461 270
R4023 100
D477 1S599
C457 50V 2200μ
VR452 B-500 HEIGHT
TP56
C458 50V 100μ
R463 2.7K
R462 2.7 3W MB
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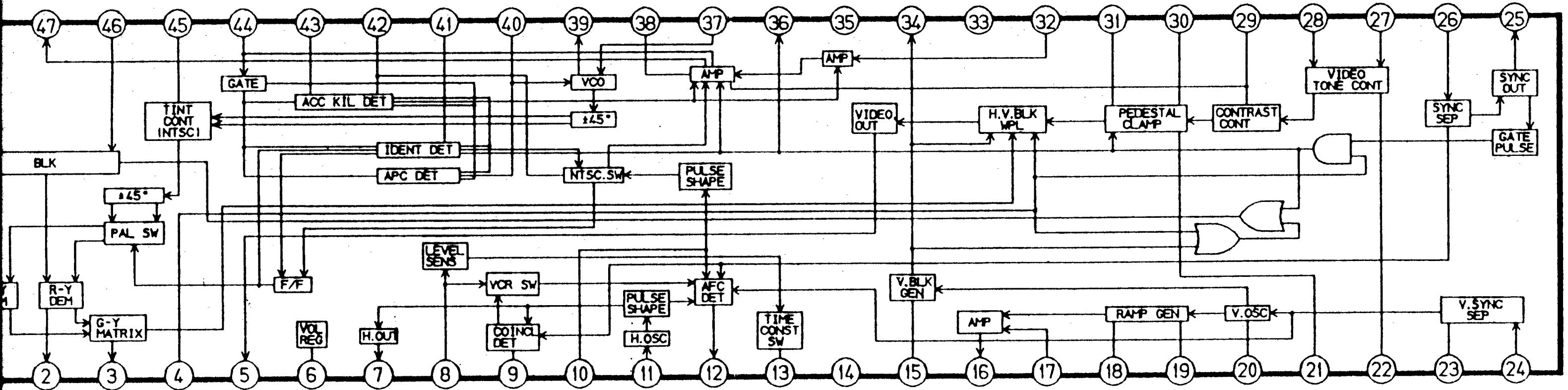
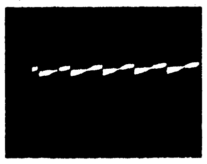
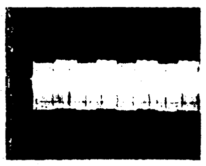
R468 330
PGA
DS
VM
VY
CB-DEFL TO-PCB-RGB
TO-PCB-RGB


GATE
ACC KIL DET
VCO
AMP
AMP
VIDEO TONE CONT
SYNC OUT
TINT CONT INTSC1
±45°
VIDEO OUT
H.V.BLK WPL
PEDESTAL CLAMP
CONTRAST CONT
SYNC SEP
GATE PULSE
BLK
IDENT DET
APC DET
NTSC.SW
PULSE SHAPE
±45°
PAL SW
LEVEL SENS
F/F
VCR SW
PULSE SHAPE
AFC DET
V.BLK GEN
R-Y DEM
G-Y MATRIX
VOL REG
H.OUT
COINCL DET
H.OSC
TIME CONST SW
AMP
RAMP GEN
V.OSC
V.SYNC SEP


⑫130Vp-p(V)

H)

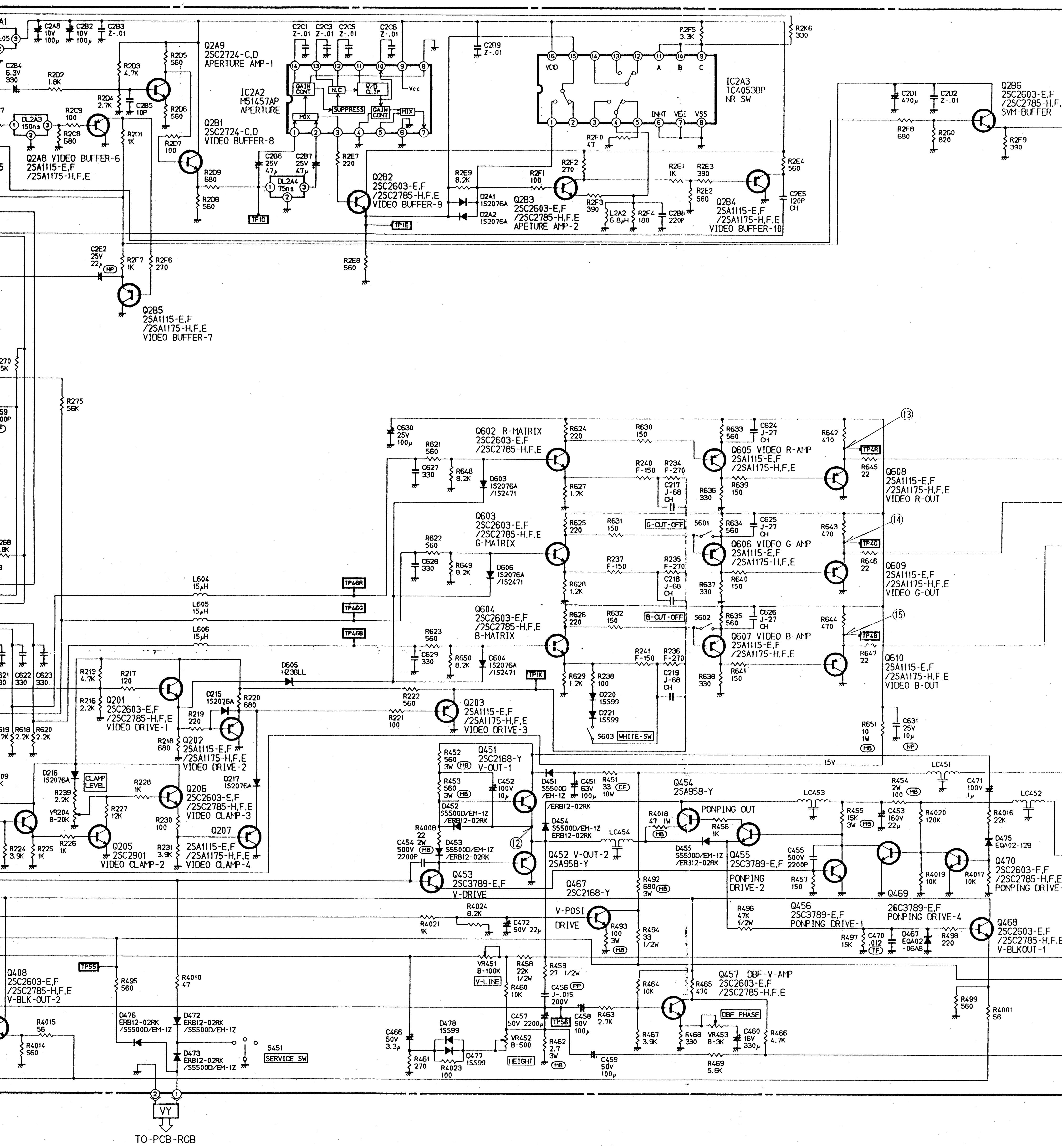


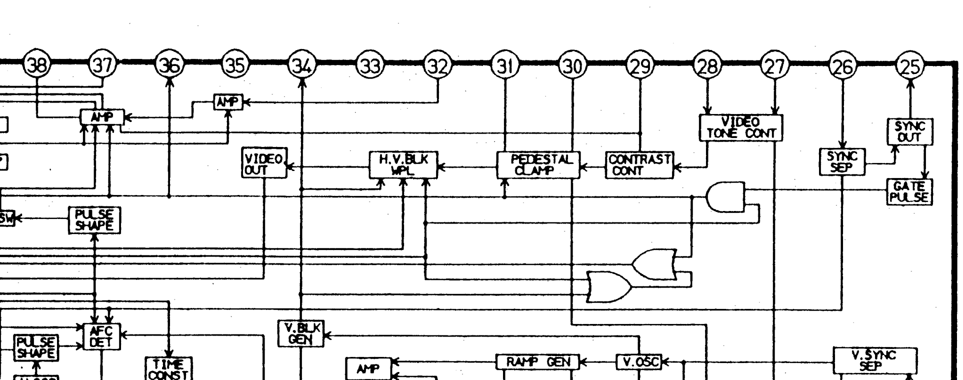
⑩0.6Vp-p(H)

⑬0.64Vp-p(H)

⑭0.64Vp-p(H)

⑮0.64Vp-p(


Q2A9 2SC2724-C,D APERTURE AMP-1
IC2A2 M51457AP APERTURE
GAIN CONT
N.C
W/D CLIP
SUPPRESS
MIX
Vcc
Q2B1 2SC2724-C,D VIDEO BUFFER-8
Q2A8 VIDEO BUFFER-6 2SA1115-E,F /2SA1175-H,F,E
DL2A3 150ns
DL2A4 75ns
IC2A3 TC4053BP NR SW
VDD
INHT VEE VSS
Q2B2 2SC2603-E,F /2SC2785-H,F,E VIDEO BUFFER-9
Q2B3 2SC2603-E,F /2SC2785-H,F,E APETURE AMP-2
Q2B4 2SA1115-E,F /2SA1175-H,F,E VIDEO BUFFER-10
Q2B6 2SC2603-E,F /2SC2785-H,F, SVM-BUFFER
Q2B5 2SA1115-E,F /2SA1175-H,F,E VIDEO BUFFER-7
TP1D
TP1E
Q602 R-MATRIX 2SC2603-E,F /2SC2785-H,F,E
Q603 2SC2603-E,F /2SC2785-H,F,E G-MATRIX
Q604 2SC2603-E,F /2SC2785-H,F,E B-MATRIX
Q605 VIDEO R-AMP 2SA1115-E,F /2SA1175-H,F,E
Q606 VIDEO G-AMP 2SA1115-E,F /2SA1175-H,F,E
Q607 VIDEO B-AMP 2SA1115-E,F /2SA1175-H,F,E
Q608 2SA1115-E,F /2SA1175-H,F,E VIDEO R-OUT
Q609 2SA1115-E,F /2SA1175-H,F,E VIDEO G-OUT
Q610 2SA1115-E,F /2SA1175-H,F,E VIDEO B-OUT
G-CUT-OFF
B-CUT-OFF
S601
S602
S603 WHITE-SW
TP4R
TP4G
TP4B
TP46R
TP46G
TP46B
TP1K
L604 15μH
L605 15μH
L606 15μH
D605 HZ38LL
Q201 2SC2603-E,F /2SC2785-H,F,E VIDEO DRIVE-1
Q202 2SA1115-E,F /2SA1175-H,F,E VIDEO DRIVE-2
Q203 2SA1115-E,F /2SA1175-H,F,E VIDEO DRIVE-3
Q205 2SC2901 VIDEO CLAMP-2
Q206 2SC2603-E,F /2SC2785-H,F,E VIDEO CLAMP-3
Q207 2SA1115-E,F /2SA1175-H,F,E VIDEO CLAMP-4
CLAMP LEVEL
VR204 B-20K
Q451 2SC2168-Y V-OUT-1
Q452 V-OUT-2 2SA958-Y
Q453 2SC3789-E,F V-DRIVE
Q454 2SA958-Y PONPING OUT
Q455 2SC3789-E,F PONPING DRIVE-2
Q456 2SC3789-E,F PONPING DRIVE-1
Q457 DBF-V-AMP 2SC2603-E,F /2SC2785-H,F,E
Q467 2SC2168-Y V-POSI DRIVE
Q468 2SC2603-E,F /2SC2785-H,F,E V-BLKOUT-1
Q469
2SC3789-E,F PONPING DRIVE-4
Q470 2SC2603-E,F /2SC2785-H,F,E PONPING DRIVE-
Q408 2SC2603-E,F /2SC2785-H,F,E V-BLK-OUT-2
LC451
LC452
LC453
LC454
15V
VR451 B-100K V-LINE
VR452 B-500 HEIGHT
VR453 B-3K DBF PHASE
TP55
TP56
S451 SERVICE SW
VY
TO-PCB-RGB
⑫
⑬
⑭
⑮


38
37
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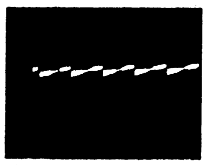
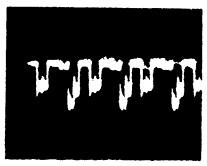
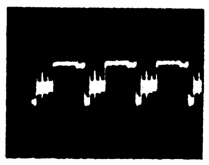
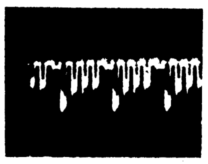
34
33
32
31
30
29
28
27
26
25
AMP
AMP
VIDEO OUT
H.V.BLK WPL
PEDESTAL CLAMP
CONTRAST CONT
VIDEO TONE CONT
SYNC SEP
SYNC OUT
GATE PULSE
PULSE SHAPE
PULSE SHAPE
AFC DET
TIME CONST
V.BLK GEN
AMP
RAMP GEN
V.OSC
V.SYNC SEP

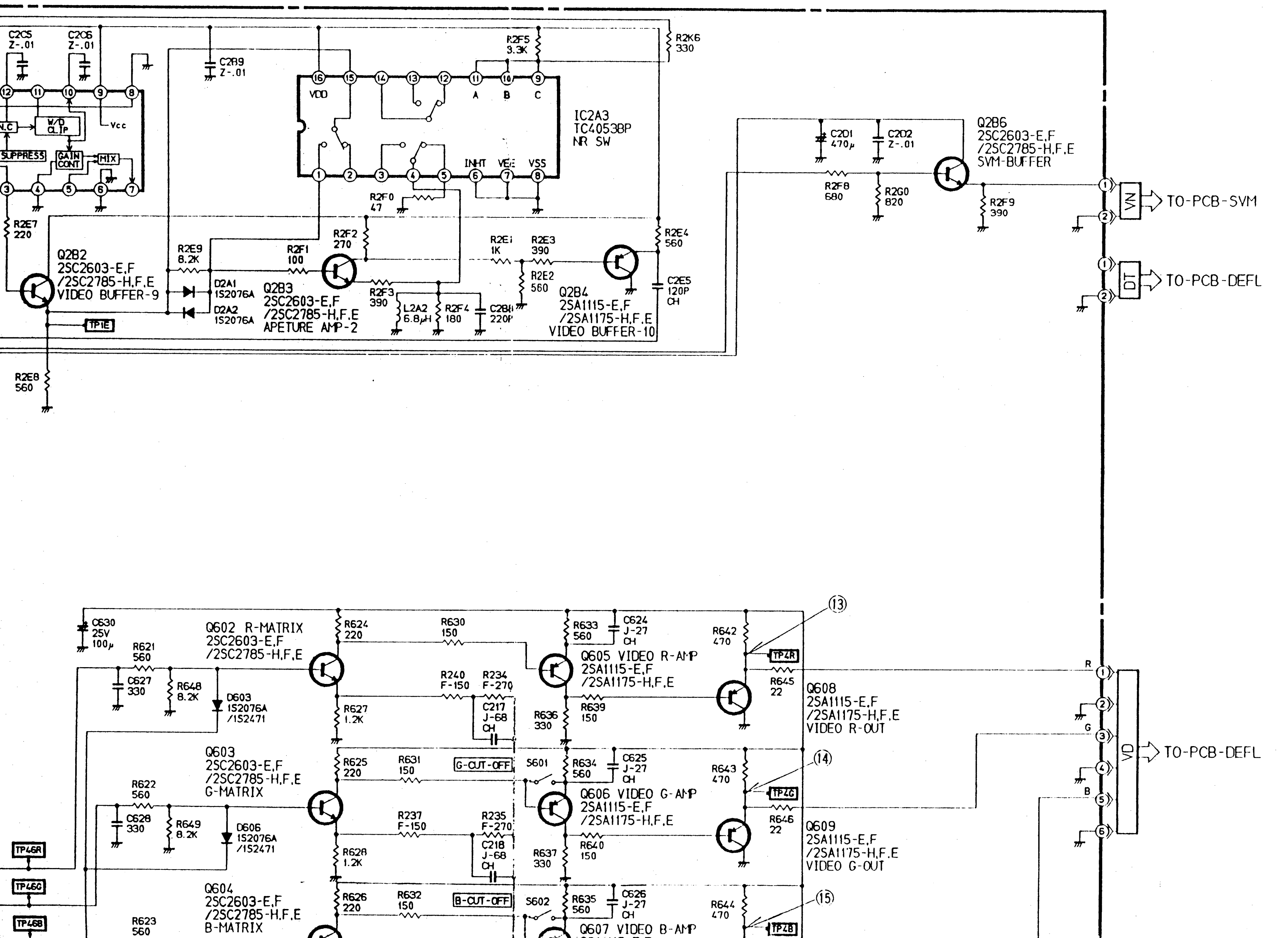


⑫130Vp-p(V)

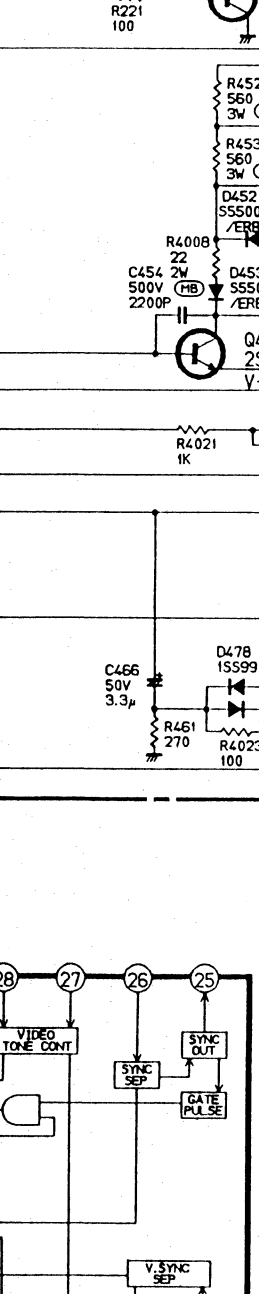

⑬0.64Vp-p(H)


⑭0.64Vp-p(H)

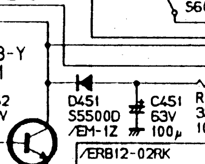

⑮0.64Vp-p(H)

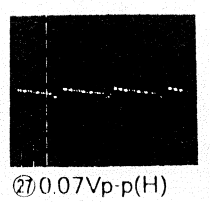


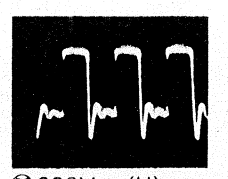
C2C5 Z-.01
C2C6 Z-.01
C2B9 Z-.01
W/D CLIP
SUPPRESS
GAIN CONT
MIX
Vcc
R2E7 220
Q2B2 2SC2603-E,F /2SC2785-H,F,E VIDEO BUFFER-9
R2E8 560
TP1E
R2E9 8.2K
D2A1 1S2076A
D2A2 1S2076A
R2F1 100
R2F2 270
Q2B3 2SC2603-E,F /2SC2785-H,F,E APETURE AMP-2
R2F3 390
L2A2 6.8μH
R2F4 180
C2B1 220P
R2F0 47
IC2A3 TC4053BP NR SW
VDD
A B C
INHT VEE VSS
R2F5 3.3K
R2K6 330
R2E1 1K
R2E3 390
R2E2 560
Q2B4 2SA1115-E,F /2SA1175-H,F,E VIDEO BUFFER-10
R2E4 560
C2E5 120P CH
C201 470μ
C202 Z-.01
R2F8 680
R2G0 820
Q2B6 2SC2603-E,F /2SC2785-H,F,E SVM-BUFFER
R2F9 390
VN TO-PCB-SVM
DT TO-PCB-DEFL
C630 25V 100μ
R621 560
C627 330
R648 8.2K
D603 1S2076A /1S2471
Q602 R-MATRIX 2SC2603-E,F /2SC2785-H,F,E
R624 220
R627 1.2K
R630 150
R240 F-150
R234 F-270
C217 J-68 CH
R633 560
C624 J-27 CH
Q605 VIDEO R-AMP 2SA1115-E,F /2SA1175-H,F,E
R636 330
R639 150
R642 470
TP4R
R645 22
Q608 2SA1115-E,F /2SA1175-H,F,E VIDEO R-OUT
R622 560
C628 330
R649 8.2K
D606 1S2076A /1S2471
Q603 2SC2603-E,F /2SC2785-H,F,E G-MATRIX
R625 220
R631 150
G-CUT-OFF
S601
R634 560
C625 J-27 CH
Q606 VIDEO G-AMP 2SA1115-E,F /2SA1175-H,F,E
R237 F-150
R235 F-270
C218 J-68 CH
R628 1.2K
R637 330
R640 150
R643 470
TP4G
R646 22
Q609 2SA1115-E,F /2SA1175-H,F,E VIDEO G-OUT
TP46R
TP46G
TP46B
R623 560
C629 330
R650 8.2K
D604 1S2076A /1S2471
Q604 2SC2603-E,F /2SC2785-H,F,E B-MATRIX
R626 220
R632 150
B-CUT-OFF
S602
R635 560
C626 J-27 CH
Q607 VIDEO B-AMP 2SA1115-E,F /2SA1175-H,F,E
R241 F-150
R236 F-270
C219 J-68 CH
R629 1.2K
R238 100
D220 1SS99
D221 1SS99
S603 WHITE-SW
TP1K
R638 330
R641 150
R644 470
TP4B
R647 22
Q610 2SA1115-E,F /2SA1175-H,F,E VIDEO B-OUT
R651 10 1W
C631 25V 10μ
R222 560
R221 100
Q203 2SA1115-E,F /2SA1175-H,F,E VIDEO DRIVE-3
⑬
⑭
⑮
R G B
VD TO-PCB-DEFL
15V
50V
R452 560 3W
Q451 2SC2168-Y V-OUT-1
R453 560 3W
C452 100V 10μ
D452 S5500D/EM-1Z /ERB12-02RK
R4008 22 2W
C454 500V 2200P
D453 S5500D/EM-1Z /ERB12-02RK
Q453 2SC3789-E,F V-DRIVE
⑫
D451 S5500D /EM-1Z /ERB12-02RK
C451 63V 100μ
R451 33 10W
D454 S5500D/EM-1Z ERB12-02RK
LC454
Q452 V-OUT-2 2SA958-Y
Q454 2SA958-Y
PONPING OUT
R4018 47 1W
R456 1K
D455 S5500D/EM-1Z /ERB12-02RK
Q455 2SC3789-E,F
PONPING DRIVE-2
LC453
R455 15K 3W
C453 160V 22μ
C455 500V 2200P
R457 150
R454 2W 100
LC451
C471 100V 1μ
R4020 120K
R4019 10K
Q469
R4017 10K
LC452
R4016 22K
D475 EQA02-12B
Q470 2SC2603-E,F /2SC2785-H,F,E PONPING DRIVE-3
GB TO-POWER-UNIT3
130V
DR TO-PCB-DEFL
R492 680 3W
Q467 2SC2168-Y
V-POSI DRIVE
R493 100 3W
R494 33 1/2W
R4024 8.2K
R4021 1K
C472 50V 22μ
R496 47K 1/2W
Q456 2SC3789-E,F PONPING DRIVE-1
2SC3789-E,F PONPING DRIVE-4
R497 15K
C470 .012
D467 EQA02 -06AB
R498 220
Q468 2SC2603-E,F /2SC2785-H,F,E V-BLKOUT-1
V1 V-DY
VR451 B-100K
V-LINE
R458 22K 1/2W
R460 10K
R459 27 1/2W
C456 J-.015 200V
Q457 DBF-V-AMP 2SC2603-E,F /2SC2785-H,F,E
R464 10K
R465 470
R499 560
R4001 56
C457 50V 2200μ
TP56
C458 50V 100μ
R463 2.7K
DBF PHASE
C466 50V 3.3μ
D478 1SS99
VR452 B-500
R462 2.7 3W
R467 3.9K
R468 330
VR453 B-3K
C460 16V 330μ
R466 4.7K
R461 270
R4023 100
D477 1SS99
HEIGHT
C459 50V 100μ
R469 5.6K
VE TO-PCB-DBF

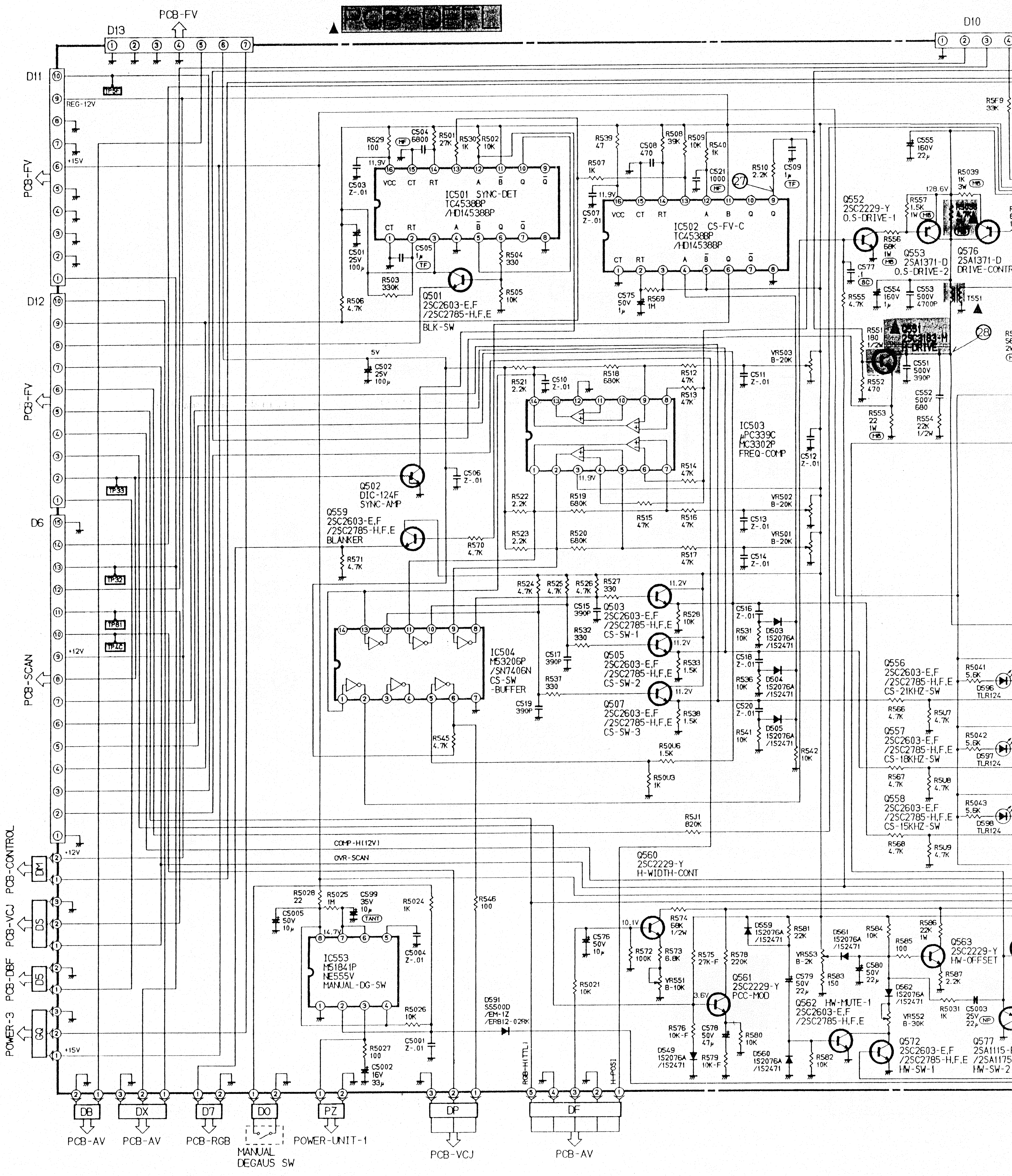


28
27
26
25
VIDEO TONE CONT
SYNC SEP
SYNC OUT
GATE PULSE
V.SYNC SEP


⑫130Vp-p(V)


㉗0.07Vp-p(H)


㉘280Vp-p(H)



PCB-FV
D13
D10
D11
D12
D6
REG-12V
+15V
+12V
PCB-FV
PCB-FV
PCB-SCAN
PCB-CONTROL
PCB-VCJ
PCB-DBF
POWER-3
DM
DS
D5
GQ
TP5F
TP33
TP32
TP81
TP4C
IC501 SYNC-DET
TC4538BP
/HD14538BP
IC502 CS-FV-C
TC4538BP
/HD14538BP
IC503
μPC339C
MC3302P
FREQ-COMP
IC504
M53206P
/SN7406N
CS-SW
-BUFFER
IC553
M51841P
NE555V
MANUAL-DG-SW
Q501
2SC2603-E,F
/2SC2785-H,F,E
BLK-SW
Q502
DIC-124F
SYNC-AMP
Q559
2SC2603-E,F
/2SC2785-H,F,E
BLANKER
Q503
2SC2603-E,F
/2SC2785-H,F,E
CS-SW-1
Q505
2SC2603-E,F
/2SC2785-H,F,E
CS-SW-2
Q507
2SC2603-E,F
/2SC2785-H,F,E
CS-SW-3
Q552
2SC2229-Y
O.S-DRIVE-1
Q553
2SA1371-D
O.S-DRIVE-2
Q576
2SA1371-D
DRIVE-CONTR
Q551
2SC3163-H
DRIVE
T551
Q556
2SC2603-E,F
/2SC2785-H,F,E
CS-21KHZ-SW
Q557
2SC2603-E,F
/2SC2785-H,F,E
CS-18KHZ-SW
Q558
2SC2603-E,F
/2SC2785-H,F,E
CS-15KHZ-SW
Q560
2SC2229-Y
H-WIDTH-CONT
Q561
2SC2229-Y
PCC-MOD
Q562 HW-MUTE-1
2SC2603-E,F
/2SC2785-H,F,E
Q563
2SC2229-Y
HW-OFFSET
Q572
2SC2603-E,F
/2SC2785-H,F,E
HW-SW-1
Q577
2SA1115-
/2SA1175
HW-SW-2
VR501 B-20K
VR502 B-20K
VR503 B-20K
VR551 B-10K
VR552 B-30K
VR553 B-2K
D503 1S2076A /1S2471
D504 1S2076A /1S2471
D505 1S2076A /1S2471
D549 1S2076A /1S2471
D559 1S2076A /1S2471
D560 1S2076A /1S2471
D561 1S2076A /1S2471
D562 1S2076A /1S2471
D591 S5500D /EM-1Z /ERB12-02RK
D596 TLR124
D597 TLR124
D598 TLR124
R501 27K
R502 10K
R503 330K
R504 330
R505 10K
R506 4.7K
R507 1K
R508 39K
R509 10K
R510 2.2K
R529 100
R530 1K
R539 47
R540 1K
R5F9 33K
R5039 1K 3W
R551 180 1/2W
R552 470
R553 22 1W
R554 22K 1/2W
R555 4.7K
R556 68K 1W
R557 1.5K 1W
C501 25V 100μ
C502 25V 100μ
C503 Z-.01
C504 6800
C505 1μ
C506 Z-.01
C507 Z-.01
C508 470
C509 1μ
C510 Z-.01
C511 Z-.01
C512 Z-.01
C513 Z-.01
C514 Z-.01
C521 1000
C551 500V 390P
C552 500V 680
C553 500V 4700P
C554 160V 1μ
C555 160V 22μ
C575 50V 1μ
C577 .1
R569 1M
R512 47K
R513 47K
R514 47K
R515 47K
R516 47K
R517 47K
R518 680K
R519 680K
R520 680K
R521 2.2K
R522 2.2K
R523 2.2K
R524 4.7K
R525 4.7K
R526 4.7K
R527 330
R528 10K
R531 10K
R532 330
R533 1.5K
R536 10K
R537 330
R538 1.5K
R541 10K
R542 10K
R545 4.7K
R546 100
R570 4.7K
R571 4.7K
R5006 1.5K
R5003 1K
R5J1 820K
C515 390P
C516 Z-.01
C517 390P
C518 Z-.01
C519 390P
C520 Z-.01
R5041 5.6K
R5042 5.6K
R5043 5.6K
R565 4.7K
R5U7 4.7K
R567 4.7K
R5U8 4.7K
R568 4.7K
R5U9 4.7K
COMP-H(12V)
OVR-SCAN
R5028 22
R5025 1M
C599 35V 10μ TANT
R5024 1K
C5005 50V 10μ
C5004 Z-.01
R5026 10K
R5027 100
C5001 Z-.01
C5002 16V 33μ
C576 50V 10μ
R5021 10K
R572 100K
R573 6.8K
R574 68K 1/2W
R575 27K-F
R576 10K-F
R578 220K
R579 10K-F
R580 10K
R581 22K
R582 10K
R583 150
R584 10K
R585 100
R586 22K 1W
R587 2.2K
R5031 1K
C578 50V 47μ
C579 50V 22μ
C580 50V 22μ
C5003 25V 22μ NP
11.9V
5V
11.2V
10.1V
14.7V
3.6V
128.6V
MF
TF
MB
BC
RGB-H(TTL)
H-POSI
DB
DX
D7
DO
PZ
DP
DF
PCB-AV
PCB-AV
PCB-RGB
MANUAL
DEGAUS SW
POWER-UNIT-1
PCB-VCJ
PCB-AV
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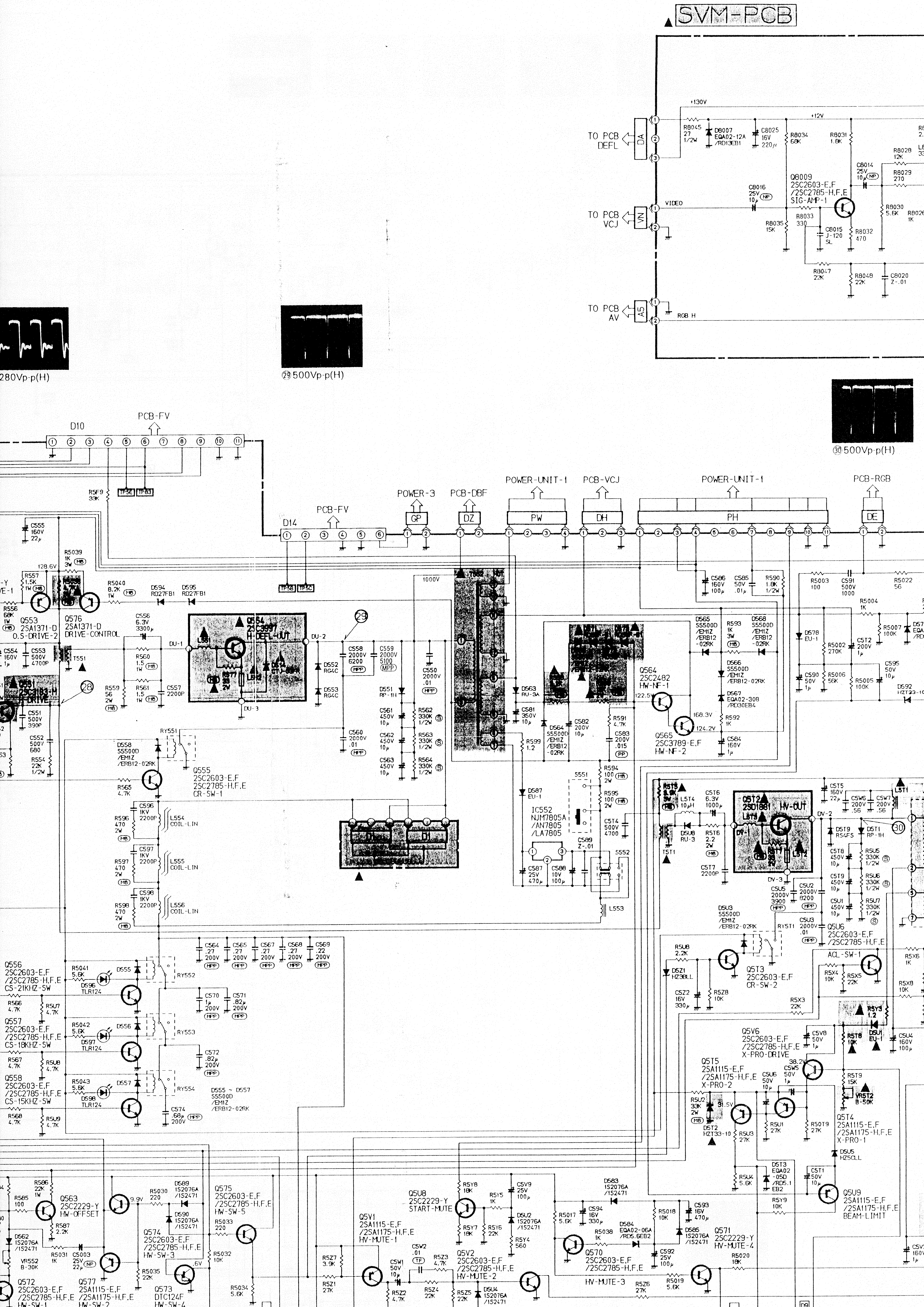
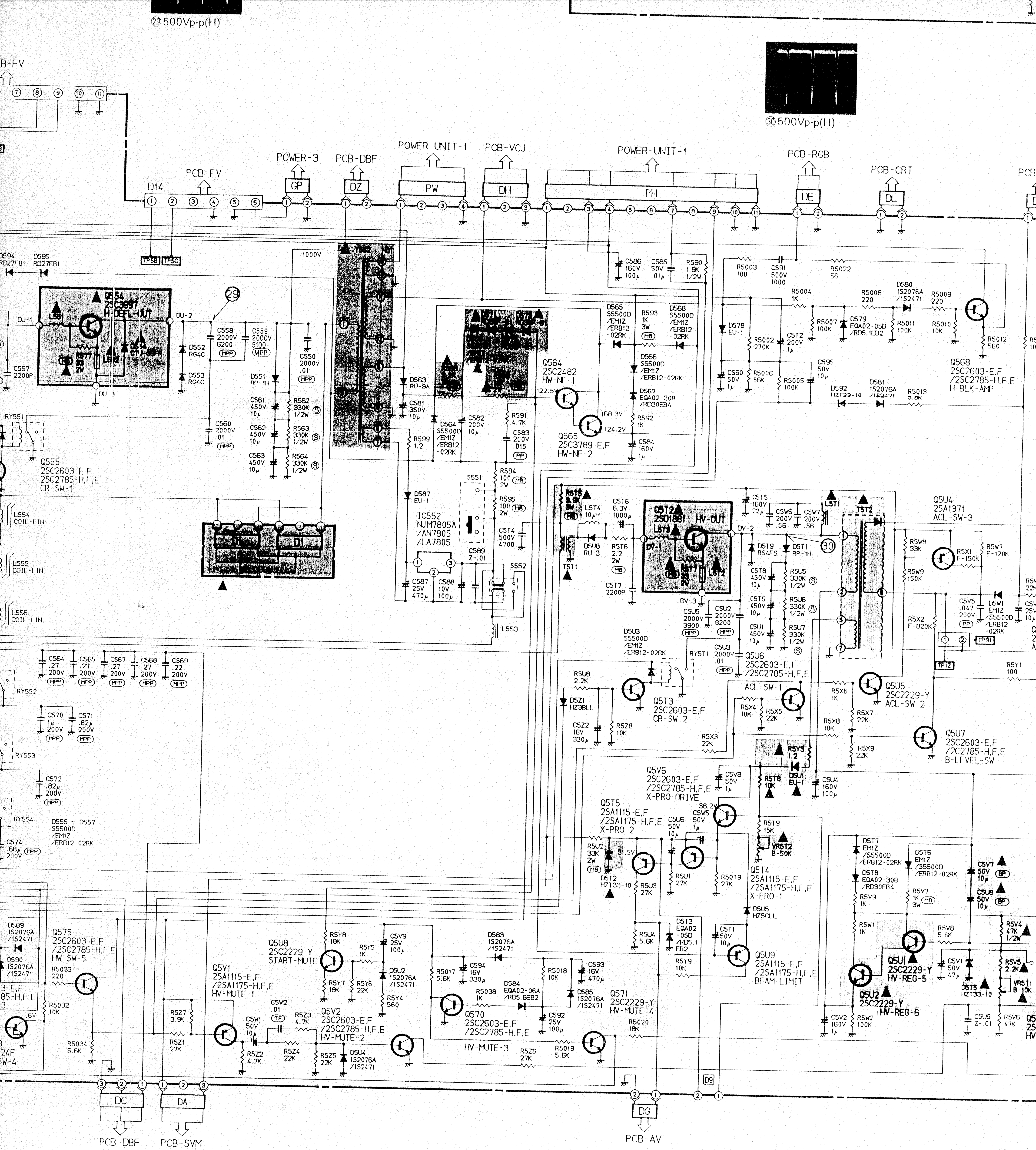
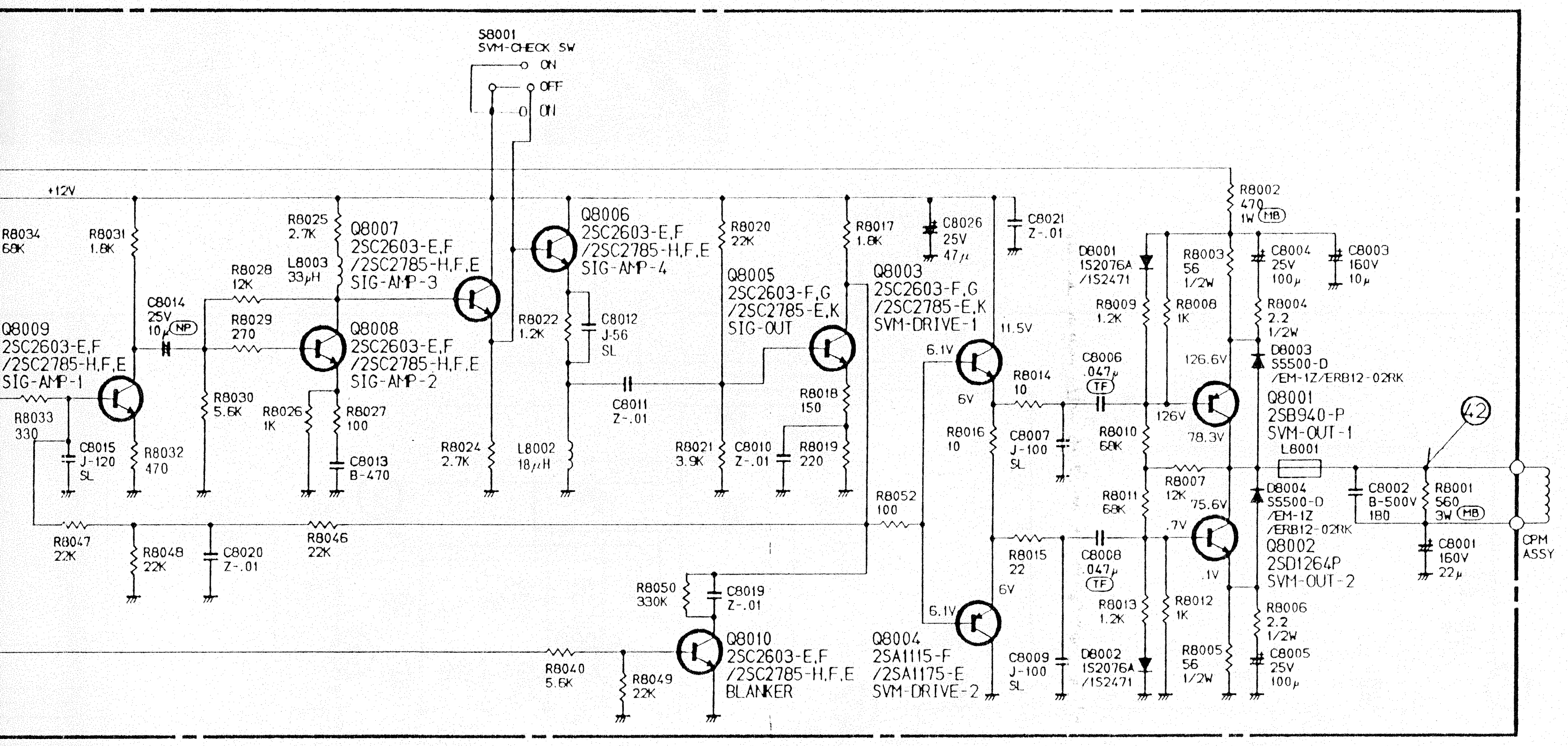
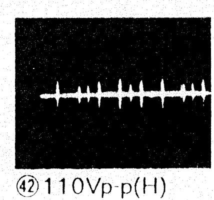


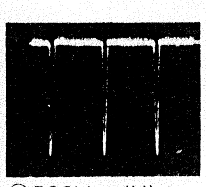
SVM-PCB
+130V
+12V
TO PCB DEFL
DA
R8045 27 1/2W
D8007 EQA02-12A /RD13EB1
C8025 16V 220μ
R8034 68K
R8031 1.8K
R8028 12K
R8029 270
C8014 25V 10μ NP
Q8009 2SC2603-E,F /2SC2785-H,F,E SIG-AMP-1
C8016 25V 10μ NP
TO PCB VCJ
VN
VIDEO
R8035 15K
R8033 330
C8015 J-120 SL
R8032 470
R8030 5.6K
R8026 1K
R8047 22K
R8048 22K
C8020 Z-.01
TO PCB AV
A5
RGB H
280Vp-p(H)
㉙500Vp-p(H)
㉚500Vp-p(H)
PCB-FV
D10
TP5E
TP83
R5F9 33K
D14
PCB-FV
POWER-3
GP
PCB-DBF
DZ
POWER-UNIT-1
PW
PCB-VCJ
DH
POWER-UNIT-1
PH
PCB-RGB
DE
TP58
TP5C
C555 160V 22μ
R5039 1K 3W MB
128.6V
R557 1.5K 1W MB
R556 68K 1W MB
Q553 2SA1371-D O.S-DRIVE-2
Q576 2SA1371-D DRIVE-CONTROL
R5040 8.2K 1W MB
D594 RD27FB1
D595 RD27FB1
C556 6.3V 3300μ
DU-1
R560 1.5 1W MB
R561 1.5 1W MB
R559 56 2W MB
C557 2200P
C554 160V
C553 500V 4700P
T551
Q551 2SC2183-H
㉘
C551 500V 390P
C552 500V 680
R554 22K 1/2W
Q554 2SC3997 H-DEFL-OUT
L551
L552
R577 33 2V
D554 CTU-33-H
DU-2
DU-3
C558 2000V 6200 MPP
C559 2000V 5100 MPP
D552 RG4C
D553 RG4C
1000V
C550 2000V .01 MPP
D551 RP-1H
C561 450V 10μ
C562 450V 10μ
C563 450V 10μ
R562 330K 1/2W
R563 330K 1/2W
R564 330K 1/2W
C560 2000V .01 MPP
T552 (FBT)
D563 RU-3A
C581 350V 10μ
R599 1.2
D564 S5500D /EM1Z /ERB12 -02RK
C582 200V 10μ
C583 200V .015 PP
R591 4.7K
D565 S5500D /EM1Z /ERB12 -02RK
R593 1K 3W MB
D568 S5500D /EM1Z /ERB12 -02RK
D566 S5500D /EM1Z /ERB12-02RK
D567 EQA02-30B /RD30EB4
Q564 2SC2482 HW-NF-1
122.5V
168.3V
124.2V
Q565 2SC3789-E,F HW-NF-2
R592 1K
C584 160V 1μ
C586 160V 100μ
C585 50V .01μ
R590 1.8K 1/2W
R5003 100
C591 500V 1000
R5022 56
R5004 1K
D578 EU-1
R5002 270K
C572 200V 1μ
R5007 100K
C590 50V 1μ
R5006 56K
R5005 100K
C595 50V 10μ
D592 HZT33-10
RY551
D558 S5500D /EM1Z /ERB12-02RK
Q555 2SC2603-E,F /2SC2785-H,F,E CR-SW-1
R565 4.7K
C596 1KV 2200P
R596 470 2W MB
L554 COIL-LIN
C597 1KV 2200P
R597 470 2W MB
L555 COIL-LIN
C598 1KV 2200P
R598 470 2W MB
L556 COIL-LIN
D1
R594 100 2W MB
R595 100 2W MB
S551
D587 EU-1
IC552 NJM7805A /AN7805 /LA7805
C574 500V 4700
C589 Z-.01
C587 25V 470μ
C588 10V 100μ
S552
L553
R5T5 3.9K 3W MB
L5T4 10μH
C5T6 6.3V 1000μ
D5U8 RU-3
R5T6 2.2 2W MB
T5T1
Q5T2 2SD1881 HV-OUT
L5T3
DV-1
DV-2
DV-3
C5T7 2200P
C5T5 160V 22μ
C5W6 200V .56
C5W7 200V .56
L5T1
D5T9 R54FS
D5T1 RP-1H
C5T8 450V 10μ
R5U5 330K 1/2W
C5T9 450V 10μ
R5U6 330K 1/2W
C5U1 450V 10μ
R5U7 330K 1/2W
C5U5 2000V 3900 HPP
C5U2 2000V 8200 HPP
C5U3 2000V .01 HPP
D5U3 S5500D /EM1Z /ERB12-02RK
RY5T1
Q5U6 2SC2603-E,F /2SC2785-H,F,E ACL-SW-1
R5U8 2.2K
D5Z1 HZ36LL
Q5T3 2SC2603-E,F CR-SW-2
C5Z2 16V 330μ
R5Z8 10K
R5X4 10K
R5X5 22K
R5X6 1K
R5X8 10K
R5X3 22K
R5Y3 1.2
R5T8 10K
D5U1 EU-1
C5U4 160V 100μ
Q5V6 2SC2603-E,F /2SC2785-H,F,E X-PRO-DRIVE
C5V8 50V 1μ
38.2V
Q5T5 2SA1115-E,F /2SA1175-H,F,E X-PRO-2
C5W5 50V 1μ
C5U6 50V 10μ
R5T9 15K
VR5T2 B-50K
R5U2 33K 2W MB
31.5V
D5T2 HZT33-10
R5U3 27K
R5U1 27K
R50T9 27K
Q5T4 2SA1115-E,F /2SA1175-H,F,E X-PRO-1
D5U5 HZ5CLL
D5T3 EQA02 -05D /RD5.1 EB2
C5T1 50V 1μ
R5U4 5.6K
R5Y9 10K
Q5U9 2SA1115-E,F /2SA1175-H,F,E BEAM-LIMIT
Q556 2SC2603-E,F /2SC2785-H,F,E CS-21KHZ-SW
R5041 5.6K
D555
D596 TLR124
RY552
R566 4.7K
R5U7 4.7K
C564 .27 200V HPP
C565 .27 200V HPP
C567 .27 200V HPP
C568 .27 200V HPP
C569 .22 200V HPP
C570 1μ 200V HPP
C571 .82μ 200V HPP
Q557 2SC2603-E,F /2SC2785-H,F,E CS-18KHZ-SW
R5042 5.6K
D556
D597 TLR124
RY553
R567 4.7K
R5U8 4.7K
C572 .82μ 200V HPP
Q558 2SC2603-E,F /2SC2785-H,F,E CS-15KHZ-SW
R5043 5.6K
D557
D598 TLR124
RY554
D555 ~ D557 S5500D /EM1Z /ERB12-02RK
R568 4.7K
R5U9 4.7K
C574 .68μ 200V HPP
R585 100
R586 22K 1W
Q563 2SC2229-Y HW-OFFSET
R587 2.2K
9.9V
R5030 220
D589 1S2076A /1S2471
D590 1S2076A /1S2471
Q575 2SC2603-E,F /2SC2785-H,F,E HW-SW-5
R5033 220
Q574 2SC2603-E,F /2SC2785-H,F,E HW-SW-3
D562 1S2076A /1S2471
VR552 B-30K
R5031 1K
C5003 25V 22μ NP
Q572 2SC2603-E,F /2SC2785-H,F,E HW-SW-1
Q577 2SA1115-E,F /2SA1175-H,F,E HW-SW-2
R5035 22K
R5032 10K
6V
Q573 DTC124F HW-SW-4
R5034 5.6K
Q5U8 2SC2229-Y START-MUTE
R5Y8 18K
C5V9 25V 100μ
R5Y5 1K
R5Y7 18K
R5Y6 22K
D5U2 1S2076A /1S2471
R5Y4 560
Q5V1 2SA1115-E,F /2SA1175-H,F,E HV-MUTE-1
C5W2 .01 TF
R5Z3 4.7K
C5W1 50V 10μ
R5Z7 3.9K
R5Z1 27K
R5Z2 4.7K
R5Z4 22K
Q5V2 2SC2603-E,F /2SC2785-H,F,E HV-MUTE-2
R5Z5 22K
D5U4 1S2076A /1S2471
D583 1S2076A /1S2471
R5017 5.6K
C594 16V 330μ
R5038 1K
D584 EQA02-06A /RD5.6EB2
R5018 10K
C593 16V 470μ
D585 1S2076A /1S2471
Q570 2SC2603-E,F /2SC2785-H,F,E HV-MUTE-3
C592 25V 100μ
Q571 2SC2229-Y HV-MUTE-4
R5020 18K
R5Z6 27K
R5019 5.6K


㉙500Vp-p(H)
㉚500Vp-p(H)
B-FV
⑦ ⑧ ⑨ ⑩ ⑪
POWER-UNIT-1
PCB-VCJ
POWER-UNIT-1
PCB-RGB
PCB-CRT
PCB
POWER-3
PCB-DBF
PCB-FV
D14
GP
DZ
PW
DH
PH
DE
DL
TP58
TP5C
D594 RD27FB1
D595 RD27FB1
1000V
T552
Q554 2SC3997 H-DEFL-OUT
L551
R577 33 2W
L552
D574 CTU-38H
DU-1
DU-2
DU-3
C557 2200P
D552 RG4C
D553 RG4C
C558 2000V 6200 HPP
C559 2000V 5100 MPP
C550 2000V .01 HPP
D551 RP-1H
C561 450V 10μ
C562 450V 10μ
C563 450V 10μ
R562 330K 1/2W
R563 330K 1/2W
R564 330K 1/2W
C560 2000V .01 HPP
RY551
Q555 2SC2603-E,F 2SC2785-H,F,E CR-SW-1
L554 COIL-LIN
L555 COIL-LIN
L556 COIL-LIN
D563 RU-3A
C581 350V 10μ
R599 1.2
D564 S5500D /EM1Z /ERB12 -02RK
C582 200V 10μ
R591 4.7K
C583 200V .015 PP
C586 160V 100μ
C585 50V .01μ
R590 1.8K 1/2W
D565 S5500D /EM1Z /ERB12 -02RK
R593 1K 3W MB
D568 S5500D /EM1Z /ERB12 -02RK
D566 S5500D /EM1Z /ERB12-02RK
D567 EQA02-30B /RD30EB4
R592 1K
C584 160V 100μ
Q564 2SC2482 HW-NF-1
122.5V
168.3V
124.2V
Q565 2SC3789-E,F HW-NF-2
R594 100 2W MB
R595 100 2W MB
S551
D587 EU-1
IC552 NJM7805A /AN7805 /LA7805
C574 500V 4700
C589 Z-.01
S552
C587 25V 470μ
C588 10V 100μ
L553
DJ
DI
R5003 100
C591 500V 1000
R5022 56
R5004 1K
R5008 220
D580 1S2076A /1S2471
R5009 220
D578 EU-1
R5007 100K
D579 EQA02-05D /RD5.1EB2
R5011 100K
R5010 10K
R5012 560
Q568 2SC2603-E,F /2SC2785-H,F,E H-BLK-AMP
R5002 270K
C572 200V 1μ
C590 50V 1μ
R5006 56K
R5005 100K
C595 50V 10μ
D592 HZT33-10
D581 1S2076A /1S2471
R5013 5.6K
C564 .27 200V HPP
C565 .27 200V HPP
C567 .27 200V HPP
C568 .27 200V HPP
C569 .22 200V HPP
RY552
C570 1μ 200V HPP
C571 .82μ 200V HPP
RY553
C572 .82μ 200V HPP
RY554
D555 ~ D557 S5500D /EM1Z /ERB12-02RK
C574 .68μ 200V HPP
R5T5 5.6K 5W MB
L5T4 10μH
C5T6 6.3V 1000μ
D5U8 RU-3
R5T6 2.2 2W MB
T5T1
DV-1
Q5T2 2SD1881 HV-OUT
L5T3
R5T7
C5T7 2200P
DV-2
DV-3
C5T5 160V 22μ
C5W6 200V .56
C5W7 200V .56
L5T1
T5T2
D5T9 RS4FS
D5T1 RP-1H
C5T8 450V 10μ
R5U5 330K 1/2W
C5T9 450V 10μ
R5U6 330K 1/2W
C5U5 2000V 3900 HPP
C5U2 2000V 8200 HPP
C5U1 450V 10μ
R5U7 330K 1/2W
C5U3 2000V .01 HPP
D5U3 S5500D /EM1Z /ERB12-02RK
RY5T1
Q5U6 2SC2603-E,F /2SC2785-H,F,E
Q5U4 2SA1371 ACL-SW-3
R5W8 33K
R5X1 F-150K
R5W7 F-120K
R5W9 150K
R5X2 F-820K
C5V5 .047 200V PP
D5W1 EM1Z /S5500D /ERB12 -02RK
TP91
TP12
R5Y1 100
R5U8 2.2K
D5Z1 HZ38LL
C5Z2 16V 330μ
R5Z8 10K
Q5T3 2SC2603-E,F CR-SW-2
ACL-SW-1
R5X4 10K
R5X5 22K
R5X6 1K
Q5U5 2SC2229-Y ACL-SW-2
R5X7 22K
R5X8 10K
R5X3 22K
R5X9 22K
Q5U7 2SC2603-E,F /2C2785-H,F,E B-LEVEL-SW
R5Y3 1.2
R5T8 10K
D5U1 EU-1
C5U4 160V 100μ
Q5V6 2SC2603-E,F /2SC2785-H,F,E X-PRO-DRIVE
C5V8 50V 1μ
38.2V
C5W5 50V 1μ
Q5T5 2SA1115-E,F /2SA1175-H,F,E X-PRO-2
C5U6 50V 10μ
R5T9 15K
VR5T2 B-50K
R5U2 33K 2W MB
31.5V
D5T2 HZT33-10
R5U3 27K
R5U1 27K
R5019 27K
Q5T4 2SA1115-E,F /2SA1175-H,F,E X-PRO-1
D5U5 HZ5CLL
R5U4 5.6K
D5T3 EQA02 -05D /RD5.1 EB2
C5T1 50V 10μ
Q5U9 2SA1115-E,F /2SA1175-H,F,E BEAM-LIMIT
R5Y9 10K
D5T7 EM1Z /S5500D /ERB12-02RK
D5T6 EM1Z /S5500D /ERB12-02RK
D5T8 EQA02-30B /RD30EB4
C5V7 50V 10μ BP
C5U8 50V 10μ BP
R5V9 1K
R5V7 1K 3W MB
R5W1 1K
R5V8 5.6K
R5V4 47K 1/2W
Q5U1 2SC2229-Y HV-REG-5
Q5U2 2SC2229-Y HV-REG-6
C5V1 50V 47μ
R5V5 2.2K
VR5T1 B-10K
D5T5 HZT33-10
C5V2 160V 1μ
R5W2 100K
C5U9 Z-.01
R5V6 47K
D589 1S2076A /1S2471
D590 1S2076A /1S2471
Q575 2SC2603-E,F /2SC2785-H,F,E HW-SW-5
R5033 220
R5032 10K
R5034 5.6K
.6V
Q5U8 2SC2229-Y START-MUTE
R5Y8 18K
R5Y5 1K
C5V9 25V 100μ
R5Y7 18K
R5Y6 22K
D5U2 1S2076A /1S2471
R5Y4 560
Q5V1 2SA1115-E,F /2SA1175-H,F,E HV-MUTE-1
R5Z7 3.9K
R5Z1 27K
C5W1 50V 10μ
R5Z2 4.7K
C5W2 .01 TF
R5Z3 4.7K
R5Z4 22K
R5Z5 22K
Q5V2 2SC2603-E,F /2SC2785-H,F,E HV-MUTE-2
D5U4 1S2076A /1S2471
D583 1S2076A /1S2471
R5017 5.6K
C594 16V 330μ
R5018 10K
C593 16V 470μ
D584 EQA02-06A /RD5.6EB2
R5038 1K
D585 1S2076A /1S2471
Q570 2SC2603-E,F /2SC2785-H,F,E
C592 25V 100μ
Q571 2SC2229-Y HV-MUTE-4
R5020 18K
HV-MUTE-3
R5Z6 27K
R5019 5.6K
D9
DC
DA
DG
PCB-DBF
PCB-SVM
PCB-AV

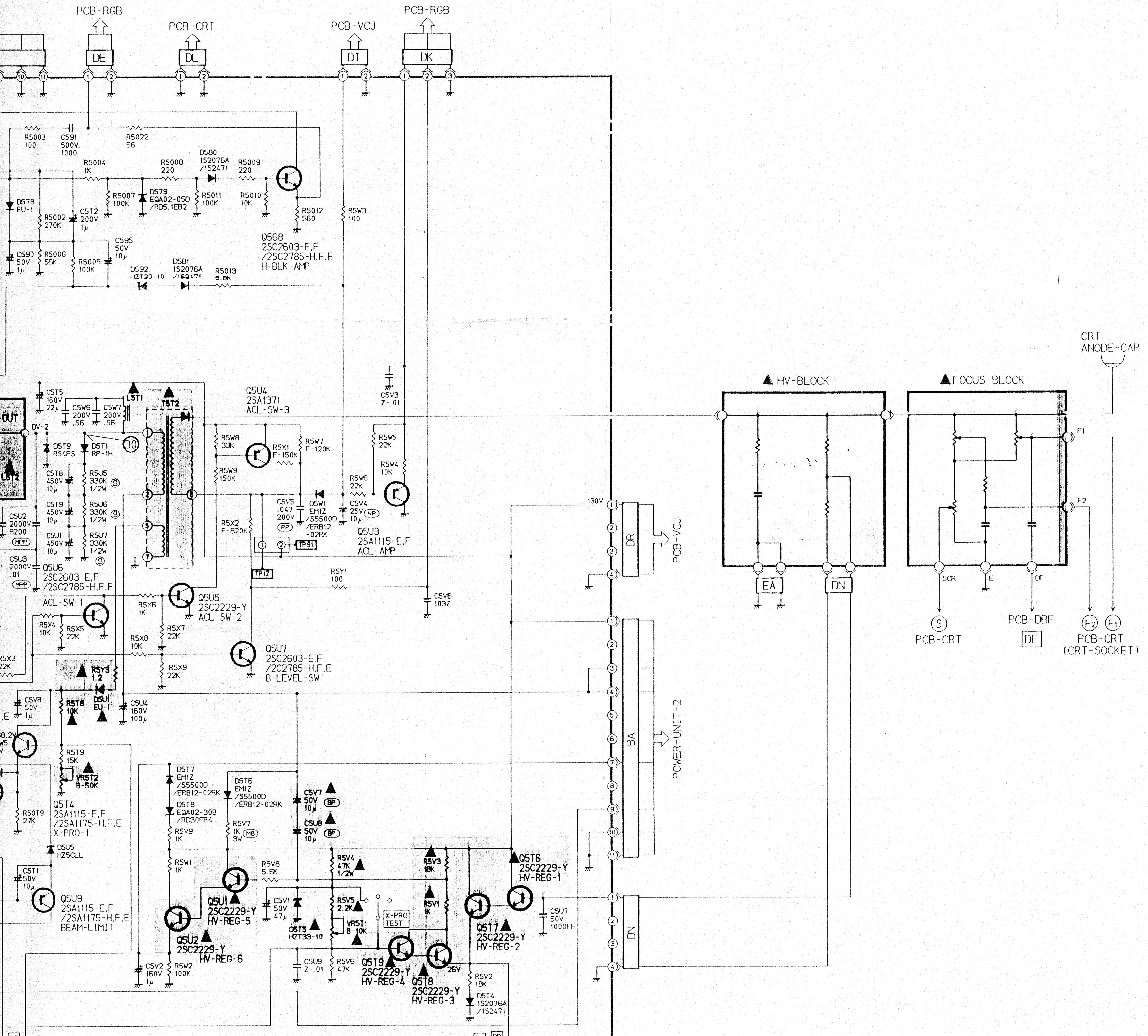

S8001
SVM-CHECK SW
ON
OFF
ON
+12V
R8034
68K
R8031
1.8K
R8025
2.7K
L8003
33μH
Q8007
2SC2603-E,F
/2SC2785-H,F,E
SIG-AMP-3
Q8006
2SC2603-E,F
/2SC2785-H,F,E
SIG-AMP-4
R8020
22K
R8017
1.8K
C8026
25V
47μ
C8021
Z-.01
R8002
470
1W (MB)
Q8009
2SC2603-E,F
/2SC2785-H,F,E
SIG-AMP-1
R8028
12K
C8014
25V
10μ (NP)
R8029
270
Q8008
2SC2603-E,F
/2SC2785-H,F,E
SIG-AMP-2
R8022
1.2K
C8012
J-56
SL
Q8005
2SC2603-E,F
/2SC2785-E,K
SIG-OUT
Q8003
2SC2603-F,G
/2SC2785-E,K
SVM-DRIVE-1
11.5V
D8001
1S2076A
/1S2471
R8003
56
1/2W
C8004
25V
100μ
C8003
160V
10μ
R8009
1.2K
R8008
1K
R8004
2.2
1/2W
D8003
S5500-D
/EM-1Z/ERB12-02RK
R8033
330
R8030
5.6K
R8026
1K
R8027
100
C8011
Z-.01
R8018
150
6.1V
6V
R8014
10
C8006
.047μ
(TF)
126.6V
126V
Q8001
2SB940-P
SVM-OUT-1
78.3V
C8015
J-120
SL
R8032
470
C8013
B-470
R8024
2.7K
L8002
18μH
R8021
3.9K
C8010
Z-.01
R8019
220
R8016
10
C8007
J-100
SL
R8010
68K
L8001
R8007
12K
75.6V
D8004
S5500-D
/EM-1Z
/ERB12-02RK
C8002
B-500V
180
R8001
560
3W (MB)
R8052
100
R8011
68K
.7V
Q8002
2SD1264P
SVM-OUT-2
C8001
160V
22μ
CPM
ASSY
R8047
22K
R8048
22K
C8020
Z-.01
R8046
22K
R8015
22
C8008
.047μ
(TF)
.1V
R8050
330K
C8019
Z-.01
6V
6.1V
R8013
1.2K
R8012
1K
R8006
2.2
1/2W
Q8010
2SC2603-E,F
/2SC2785-H,F,E
BLANKER
Q8004
2SA1115-F
/2SA1175-E
SVM-DRIVE-2
C8009
J-100
SL
D8002
1S2076A
/1S2471
R8005
56
1/2W
C8005
25V
100μ
R8040
5.6K
R8049
22K
(42)

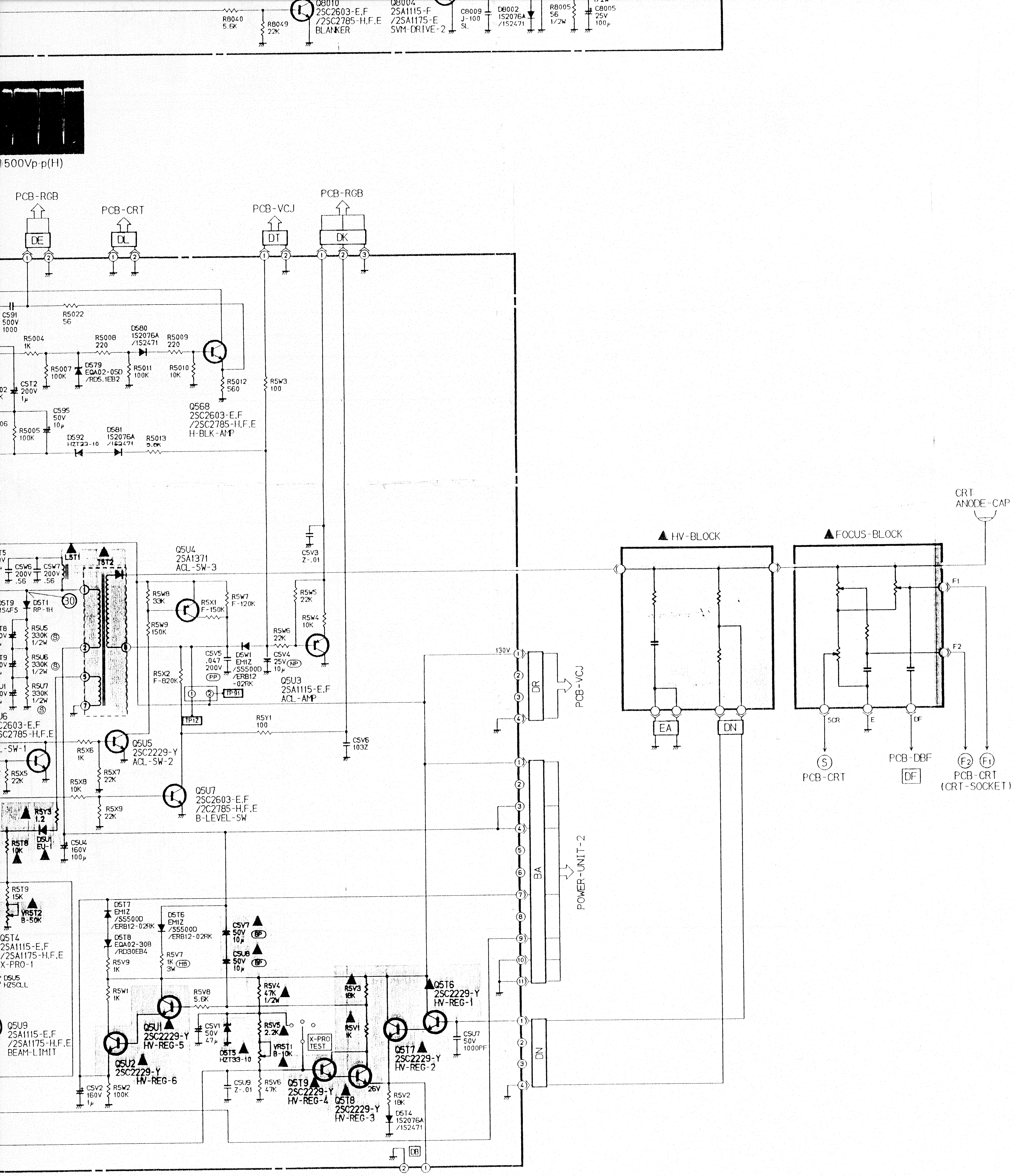


㊷110Vp-p(H)

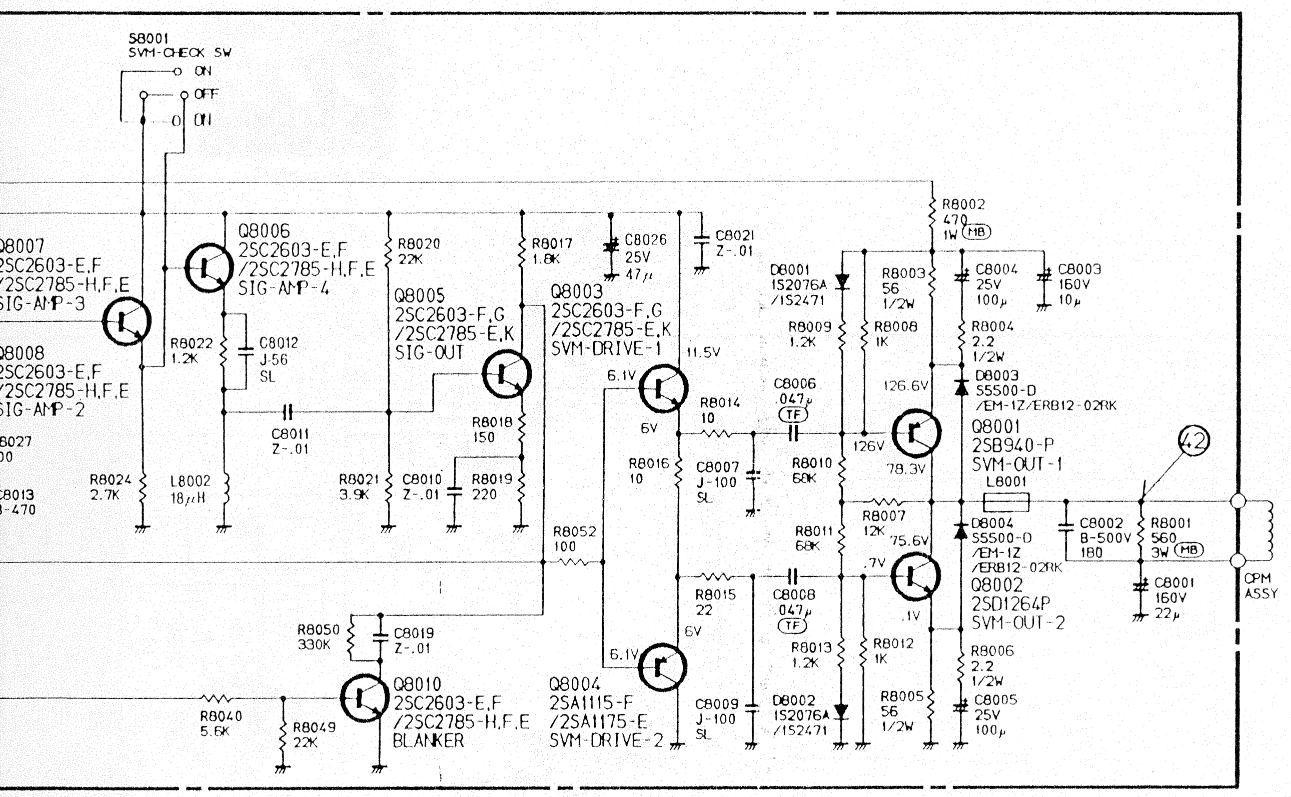


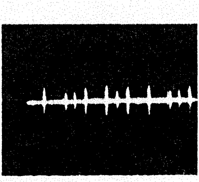
㉚500Vp-p(H)

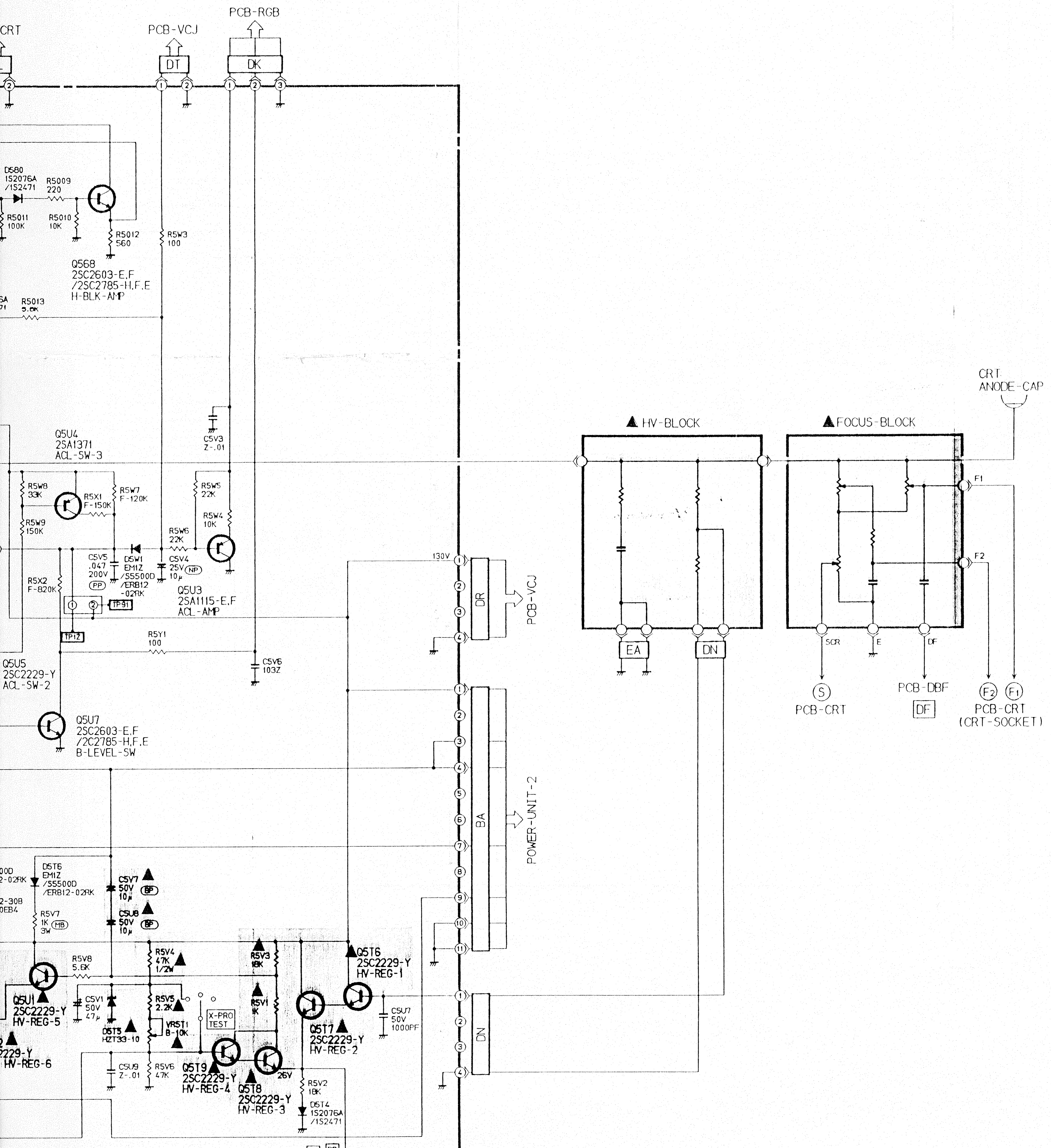

PCB-RGB
DE
PCB-CRT
DL
PCB-VCJ
DT
PCB-RGB
DK
R5003
100
C591
500V
1000
R5022
56
R5004
1K
R5008
220
D580
1S2076A
/1S2471
R5009
220
D578
EU-1
R5007
100K
D579
EQA02-05D
/RD5.1EB2
R5011
100K
R5010
10K
R5012
560
R5W3
100
R5002
270K
C5T2
200V
1μ
Q568
2SC2603-E,F
/2SC2785-H,F,E
H-BLK-AMP
C595
50V
10μ
C590
50V
1μ
R5006
56K
R5005
100K
D592
HZT33-10
D581
1S2076A
/1S2471
R5013
5.6K
C5T5
160V
22μ
C5W6
200V
.56
C5W7
200V
.56
L5T1
T5T2
Q5U4
2SA1371
ACL-SW-3
OUT
DV-2
D5T9
RS4FS
D5T1
RP-1H
(30)
R5W8
33K
R5X1
F-150K
R5W7
F-120K
R5W5
22K
C5V3
Z-.01
C5T8
450V
10μ
R5U5
330K
1/2W
(S)
R5W9
150K
R5W4
10K
R5W6
22K
C5T9
450V
10μ
R5U6
330K
1/2W
(S)
C5U2
2000V
8200
(HPP)
C5U1
450V
10μ
R5U7
330K
1/2W
(S)
R5X2
F-820K
C5V5
.047
200V
(PP)
D5W1
EM1Z
/S5500D
/ERB12
-02RK
C5V4
25V
10μ (NP)
Q5U3
2SA1115-E,F
ACL-AMP
TP31
TP12
C5U3
2000V
.01
(HPP)
Q5U6
2SC2603-E,F
/2SC2785-H,F,E
R5Y1
100
C5V6
103Z
ACL-SW-1
R5X6
1K
Q5U5
2SC2229-Y
ACL-SW-2
R5X4
10K
R5X5
22K
R5X7
22K
R5X8
10K
Q5U7
2SC2603-E,F
/2C2785-H,F,E
B-LEVEL-SW
R5X3
22K
R5Y3
1.2
R5X9
22K
C5V8
50V
1μ
R5T8
10K
D5U1
EU-1
C5U4
160V
100μ
8.2V
R5T9
15K
VR5T2
B-50K
D5T7
EM1Z
/S5500D
/ERB12-02RK
D5T6
EM1Z
/S5500D
/ERB12-02RK
C5V7
50V
10μ
(BP)
D5T8
EQA02-30B
/RD30EB4
R5V9
1K
R5V7
1K (MB)
3W
C5U8
50V
10μ
(BP)
Q5T4
2SA1115-E,F
/2SA1175-H,F,E
X-PRO-1
R50T9
27K
D5U5
HZ5CLL
R5W1
1K
R5V8
5.6K
R5V4
47K
1/2W
R5V3
18K
Q5T6
2SC2229-Y
HV-REG-1
C5T1
50V
10μ
Q5U9
2SA1115-E,F
/2SA1175-H,F,E
BEAM-LIMIT
Q5U1
2SC2229-Y
HV-REG-5
C5V1
50V
47μ
R5V5
2.2K
X-PRO
TEST
R5V1
1K
VR5T1
B-10K
Q5T7
2SC2229-Y
HV-REG-2
C5U7
50V
1000PF
Q5U2
2SC2229-Y
HV-REG-6
D5T5
HZT33-10
C5U9
Z-.01
R5V6
47K
Q5T9
2SC2229-Y
HV-REG-4
Q5T8
2SC2229-Y
HV-REG-3
26V
R5V2
18K
D5T4
1S2076A
/1S2471
C5V2
160V
1μ
R5W2
100K
130V
DR
PCB-VCJ
BA
POWER-UNIT-2
DN
HV-BLOCK
FOCUS-BLOCK
CRT
ANODE-CAP
F1
F2
EA
DN
SCR
E
DF
(S)
PCB-CRT
PCB-DBF
DF
(F2)
(F1)
PCB-CRT
(CRT-SOCKET)

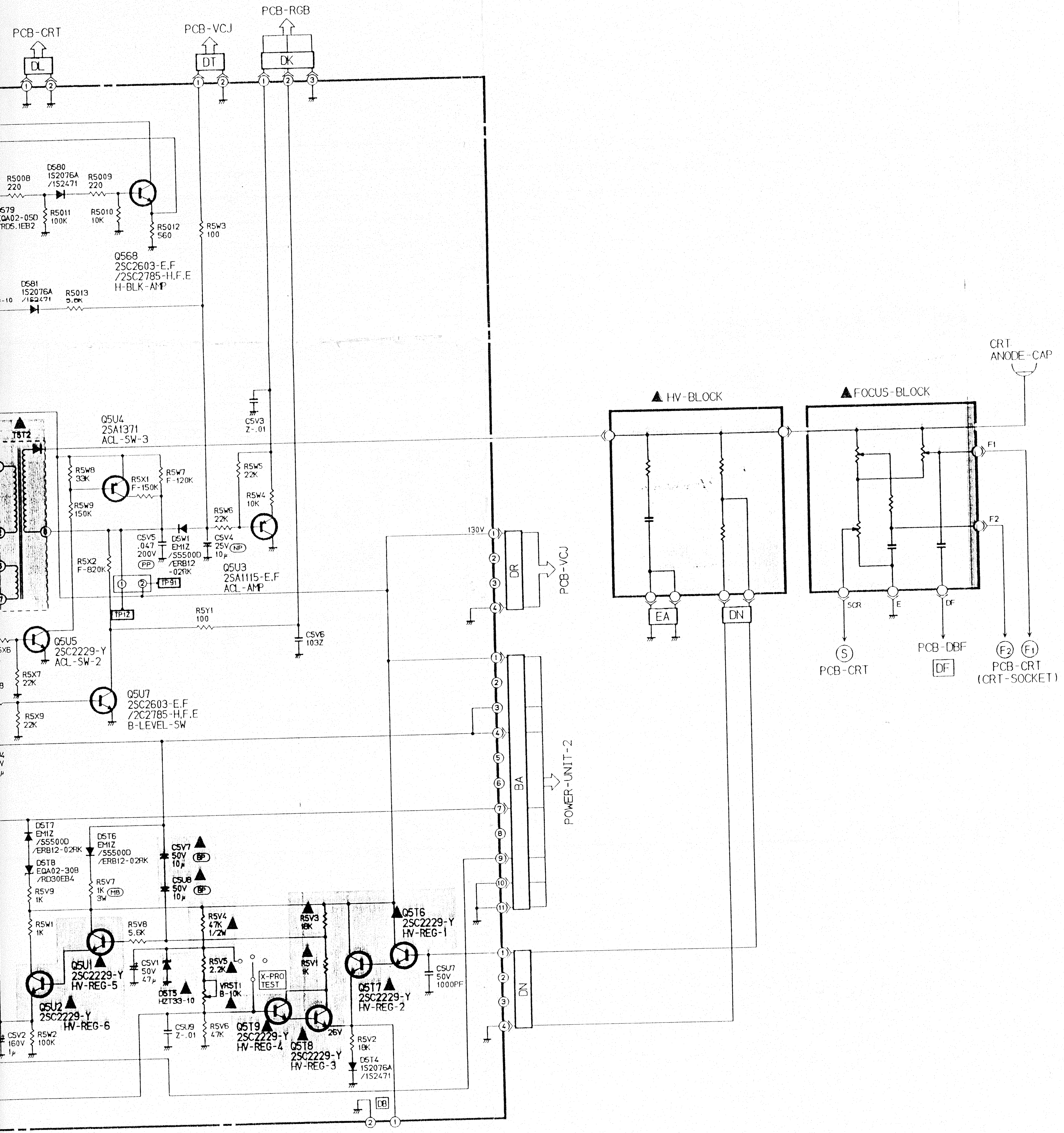


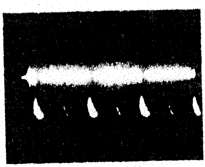
R8040 5.6K
R8049 22K
Q8010 2SC2603-E,F /2SC2785-H,F,E BLANKER
Q8004 2SA1115-F /2SA1175-E SVM-DRIVE-2
C8009 J-100 SL
D8002 1S2076A /1S2471
R8005 56 1/2W
C8005 25V 100μ
500Vp-p(H)
PCB-RGB
DE
PCB-CRT
DL
PCB-VCJ
DT
PCB-RGB
DK
C591 500V 1000
R5022 56
R5004 1K
R5008 220
D580 1S2076A /1S2471
R5009 220
R5007 100K
D579 EQA02-05D /RD5.1EB2
R5011 100K
R5010 10K
R5012 560
C5T2 200V 1μ
C595 50V 10μ
R5005 100K
Q568 2SC2603-E,F /2SC2785-H,F,E H-BLK-AMP
D592 HZT33-10
D581 1S2076A /1S2471
R5013 5.6K
R5W3 100
C5V3 Z-.01
C5W6 200V .56
C5W7 200V .56
L5T1
T5T2
30
D5T9 1S4FS
D5T1 RP-1H
R5U5 330K 1/2W
R5U6 330K 1/2W
R5U7 330K 1/2W
Q5U4 2SA1371 ACL-SW-3
R5W8 33K
R5X1 F-150K
R5W7 F-120K
R5W9 150K
R5W5 22K
R5W4 10K
R5W6 22K
R5X2 F-820K
C5V5 .047 200V PP
D5W1 EM1Z /S5500D /ERB12 -02RK
C5V4 25V NP 10μ
Q5U3 2SA1115-E,F ACL-AMP
TP91
TP12
R5Y1 100
C5V6 103Z
130V
DR
PCB-VCJ
2SC2603-E,F /2SC2785-H,F,E
ACL-SW-1
R5X6 1K
Q5U5 2SC2229-Y ACL-SW-2
R5X5 22K
R5X7 22K
R5X8 10K
R5X9 22K
Q5U7 2SC2603-E,F /2C2785-H,F,E B-LEVEL-SW
R5Y3 1.2
R5T8 10K
D5U1 EU-1
C5U4 160V 100μ
BA
POWER-UNIT-2
R5T9 15K
VR5T2 B-50K
Q5T4 2SA1115-E,F /2SA1175-H,F,E X-PRO-1
D5U5 HZ5CLL
Q5U9 2SA1115-E,F /2SA1175-H,F,E BEAM-LIMIT
D5T7 EM1Z /S5500D /ERB12-02RK
D5T8 EQA02-30B /RD30EB4
R5V9 1K
R5W1 1K
D5T6 EM1Z /S5500D /ERB12-02RK
R5V7 1K MB 3W
C5V7 50V 10μ BP
C5U8 50V 10μ BP
R5V8 5.6K
R5V4 47K 1/2W
R5V3 18K
Q5T6 2SC2229-Y HV-REG-1
Q5U1 2SC2229-Y HV-REG-5
C5V1 50V 47μ
R5V5 2.2K
VR5T1 B-10K
X-PRO TEST
R5V1 1K
Q5T7 2SC2229-Y HV-REG-2
C5U7 50V 1000PF
Q5U2 2SC2229-Y HV-REG-6
D5T3 HZT33-10
C5U9 Z-.01
R5V6 47K
Q5T9 2SC2229-Y HV-REG-4
Q5T8 2SC2229-Y HV-REG-3
26V
R5V2 18K
D5T4 1S2076A /1S2471
C5V2 160V 1μ
R5W2 100K
DB
DN
HV-BLOCK
EA
DN
FOCUS-BLOCK
CRT ANODE-CAP
F1
F2
SCR
E
DF
S
PCB-CRT
PCB-DBF
DF
F2
F1
PCB-CRT (CRT-SOCKET)


S8001
SVM-CHECK SW
ON
OFF
ON
Q8007
2SC2603-E,F
/2SC2785-H,F,E
SIG-AMP-3
Q8008
2SC2603-E,F
/2SC2785-H,F,E
SIG-AMP-2
Q8006
2SC2603-E,F
/2SC2785-H,F,E
SIG-AMP-4
R8022 1.2K
C8012 J.56 SL
C8011 Z-.01
R8024 2.7K
L8002 18μH
R8020 22K
Q8005
2SC2603-F,G
/2SC2785-E,K
SIG-OUT
R8021 3.9K
C8010 Z-.01
R8019 220
R8018 150
R8017 1.8K
C8026 25V 47μ
C8021 Z-.01
Q8003
2SC2603-F,G
/2SC2785-E,K
SVM-DRIVE-1
6.1V
6V
11.5V
R8014 10
R8016 10
C8007 J-100 SL
R8052 100
R8015 22
6V
6.1V
Q8004
2SA1115-F
/2SA1175-E
SVM-DRIVE-2
C8009 J-100 SL
R8050 330K
C8019 Z-.01
Q8010
2SC2603-E,F
/2SC2785-H,F,E
BLANKER
R8040 5.6K
R8049 22K
D8001
1S2076A
/1S2471
R8009 1.2K
C8006 .047μ TF
R8010 68K
R8011 68K
C8008 .047μ TF
R8013 1.2K
D8002
1S2076A
/1S2471
R8003 56 1/2W
R8008 1K
126.6V
126V
78.3V
R8007 12K
.7V
75.6V
.1V
R8012 1K
R8005 56 1/2W
R8002 470 1W MB
C8004 25V 100μ
C8003 160V 10μ
R8004 2.2 1/2W
D8003
S5500-D
/EM-1Z/ERB12-02RK
Q8001
2SB940-P
SVM-OUT-1
L8001
42
D8004
S5500-D
/EM-1Z
/ERB12-02RK
C8002 B-500V 180
R8001 560 3W MB
Q8002
2SD1264P
SVM-OUT-2
C8001 160V 22μ
R8006 2.2 1/2W
C8005 25V 100μ
CPM ASSY
R8013 -470
C8027


42 110Vp-p(H)

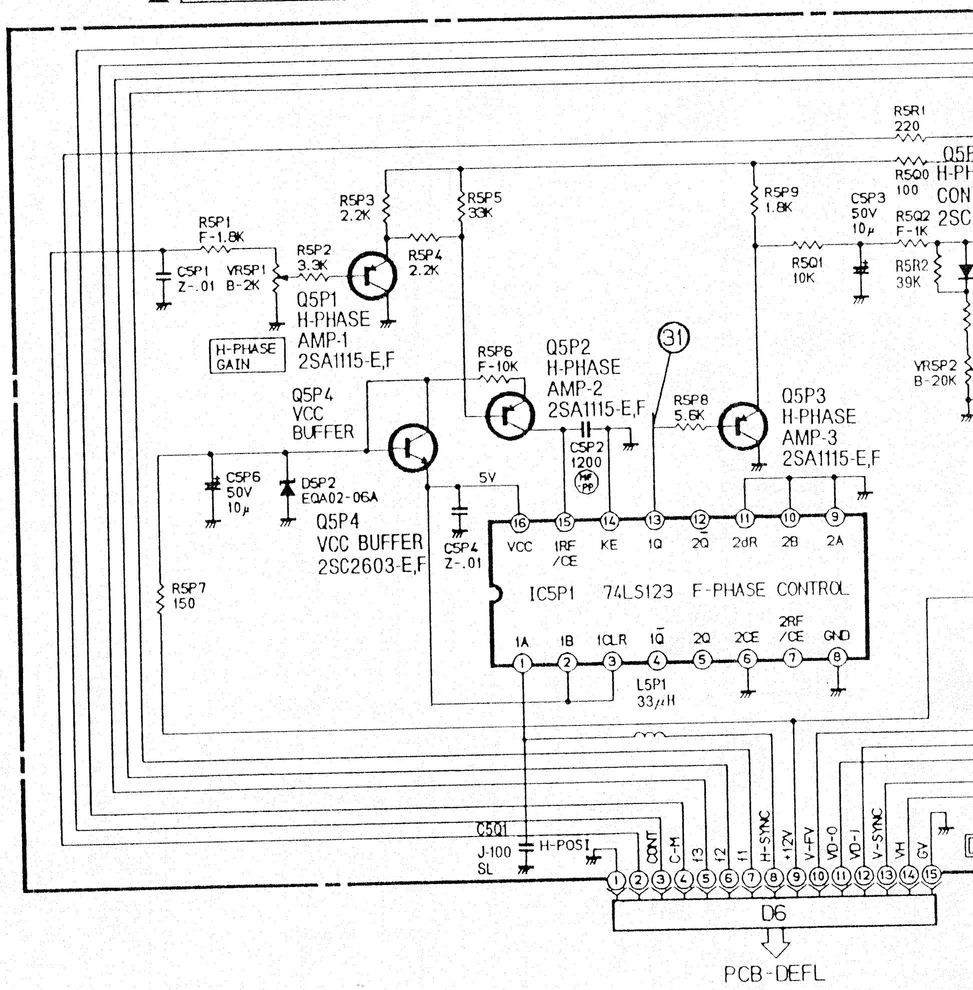

CRT
PCB-VCJ
DT
PCB-RGB
DK
D580
1S2076A
/1S2471
R5009 220
R5011 100K
R5010 10K
R5012 560
Q568
2SC2603-E,F
/2SC2785-H,F,E
H-BLK-AMP
R5013 5.6K
R5W3 100
C5V3 Z-.01
Q5U4
2SA1371
ACL-SW-3
R5W8 33K
R5X1 F-150K
R5W7 F-120K
R5W9 150K
R5W5 22K
R5W4 10K
R5W6 22K
C5V5 .047 200V PP
D5W1
EM1Z
/S5500D
/ERB12
-02RK
C5V4 25V NP 10μ
Q5U3
2SA1115-E,F
ACL-AMP
R5X2 F-820K
TP91
TP12
R5Y1 100
C5Y6 103Z
Q5U5
2SC2229-Y
ACL-SW-2
Q5U7
2SC2603-E,F
/2C2785-H,F,E
B-LEVEL-SW
130V
DR
PCB-VCJ
BA
POWER-UNIT-2
DN
D5T6
EM1Z
/S5500D
/ERB12-02RK
C5V7 50V 10μ BP
C5U8 50V 10μ BP
R5V7 1K 3W MB
R5V8 5.6K
Q5U1
2SC2229-Y
HV-REG-5
HV-REG-6
C5V1 50V 47μ
D5T5 HZT33-10
R5V4 47K 1/2W
R5V5 2.2K
VRST1 B-10K
X-PRO TEST
R5V6 47K
C5U9 Z-.01
Q5T9
2SC2229-Y
HV-REG-4
R5V3 18K
R5V1 1K
Q5T8
2SC2229-Y
HV-REG-3
26V
Q5T6
2SC2229-Y
HV-REG-1
Q5T7
2SC2229-Y
HV-REG-2
C5U7 50V 1000PF
R5V2 18K
D5T4
1S2076A
/1S2471
HV-BLOCK
FOCUS-BLOCK
CRT ANODE-CAP
F1
F2
EA
DN
SCR
E
DF
S
PCB-CRT
PCB-DBF
DF
F2
F1
PCB-CRT
(CRT-SOCKET)


PCB-CRT
DL
PCB-VCJ
DT
PCB-RGB
DK
D580
1S2076A
/1S2471
R5008
220
R5009
220
579
QA02-05D
RD5.1EB2
R5011
100K
R5010
10K
R5012
560
R5W3
100
Q568
2SC2603-E.F
/2SC2785-H.F.E
H-BLK-AMP
D581
1S2076A
/1S2471
R5013
5.6K
C5V3
Z-.01
Q5U4
2SA1371
ACL-SW-3
T5T2
R5W8
33K
R5X1
F-150K
R5W7
F-120K
R5W5
22K
R5W4
10K
R5W9
150K
R5W6
22K
C5V5
.047
200V
PP
D5W1
EM1Z
/S5500D
/ERB12
-02RK
C5V4
25V
NP
10μ
Q5U3
2SA1115-E.F
ACL-AMP
R5X2
F-820K
TP91
TP12
R5Y1
100
C5V6
103Z
Q5U5
2SC2229-Y
ACL-SW-2
R5X7
22K
Q5U7
2SC2603-E.F
/2C2785-H.F.E
B-LEVEL-SW
R5X9
22K
130V
DR
PCB-VCJ
BA
POWER-UNIT-2
DN
D5T7
EM1Z
/S5500D
/ERB12-02RK
D5T8
EQA02-30B
/RD30EB4
R5V9
1K
D5T6
EM1Z
/S5500D
/ERB12-02RK
R5V7
1K
3W
MB
C5V7
50V
10μ
BP
C5U8
50V
10μ
BP
R5W1
1K
R5V8
5.6K
R5V4
47K
1/2W
R5V3
18K
Q5T6
2SC2229-Y
HV-REG-1
Q5U1
2SC2229-Y
HV-REG-5
C5V1
50V
47μ
D5T5
HZT33-10
R5V5
2.2K
VR5T1
B-10K
X-PRO
TEST
R5V1
1K
Q5T7
2SC2229-Y
HV-REG-2
C5U7
50V
1000PF
Q5U2
2SC2229-Y
HV-REG-6
C5V2
160V
1μ
R5W2
100K
C5U9
Z-.01
R5V6
47K
Q5T9
2SC2229-Y
HV-REG-4
Q5T8
2SC2229-Y
HV-REG-3
26V
R5V2
18K
D5T4
1S2076A
/1S2471
DB
HV-BLOCK
FOCUS-BLOCK
CRT
ANODE-CAP
F1
F2
EA
DN
SCR
E
DF
S
PCB-CRT
PCB-DBF
DF
F2
F1
PCB-CRT
(CRT-SOCKET)

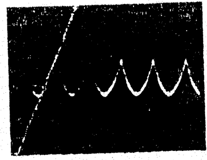


㉛ 2.6Vp-p(H)

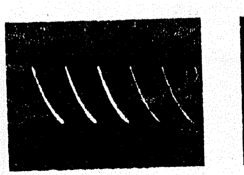
▲ PCB-SCAN



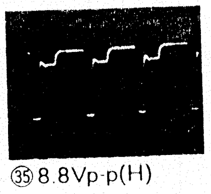
R5P1 F-1.8K
C5P1 Z-.01
VR5P1 B-2K
H-PHASE GAIN
R5P2 3.3K
R5P3 2.2K
R5P4 2.2K
R5P5 33K
Q5P1 H-PHASE AMP-1 2SA1115-E,F
Q5P4 VCC BUFFER
R5P6 F-10K
Q5P2 H-PHASE AMP-2 2SA1115-E,F
C5P2 1200
R5P8 5.6K
Q5P3 H-PHASE AMP-3 2SA1115-E,F
C5P6 50V 10μ
D5P2 EQA02-06A
Q5P4 VCC BUFFER 2SC2603-E,F
C5P4 Z-.01
5V
R5P7 150
IC5P1 74LS123 F-PHASE CONTROL
VCC 1RF/CE KE 1Q 2Q 2dR 2B 2A
1A 1B 1CLR 1Q 2Q 2CE 2RF/CE GND
L5P1 33μH
R5P9 1.8K
R5Q1 10K
C5P3 50V 10μ
R5R1 220
R5Q0 100
R5Q2 F-1K
R5R2 39K
VR5P2 B-20K
C5Q1 J-100 SL
H-POSI
CONT C-H f3 f2 f1 H-SYNC 12V V-FV VD-O VD-I V-SYNC VH GV
D6
PCB-DEFL
㉛



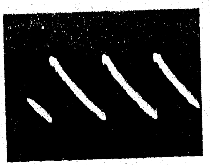
㉝ 1.4Vp-p(V)



㉞ 3.8Vp-p(V)

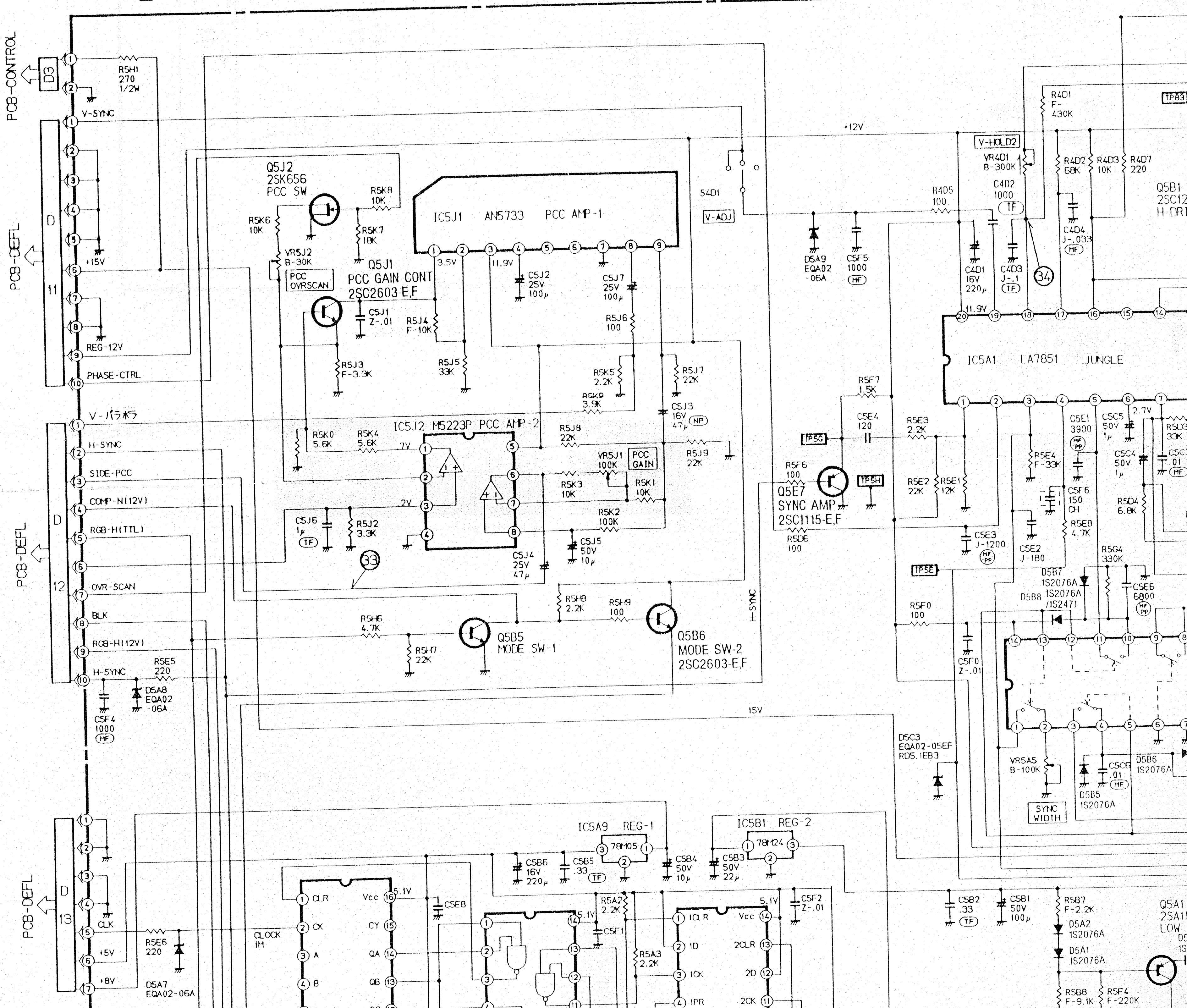


㉟ 8.8Vp-p(H)

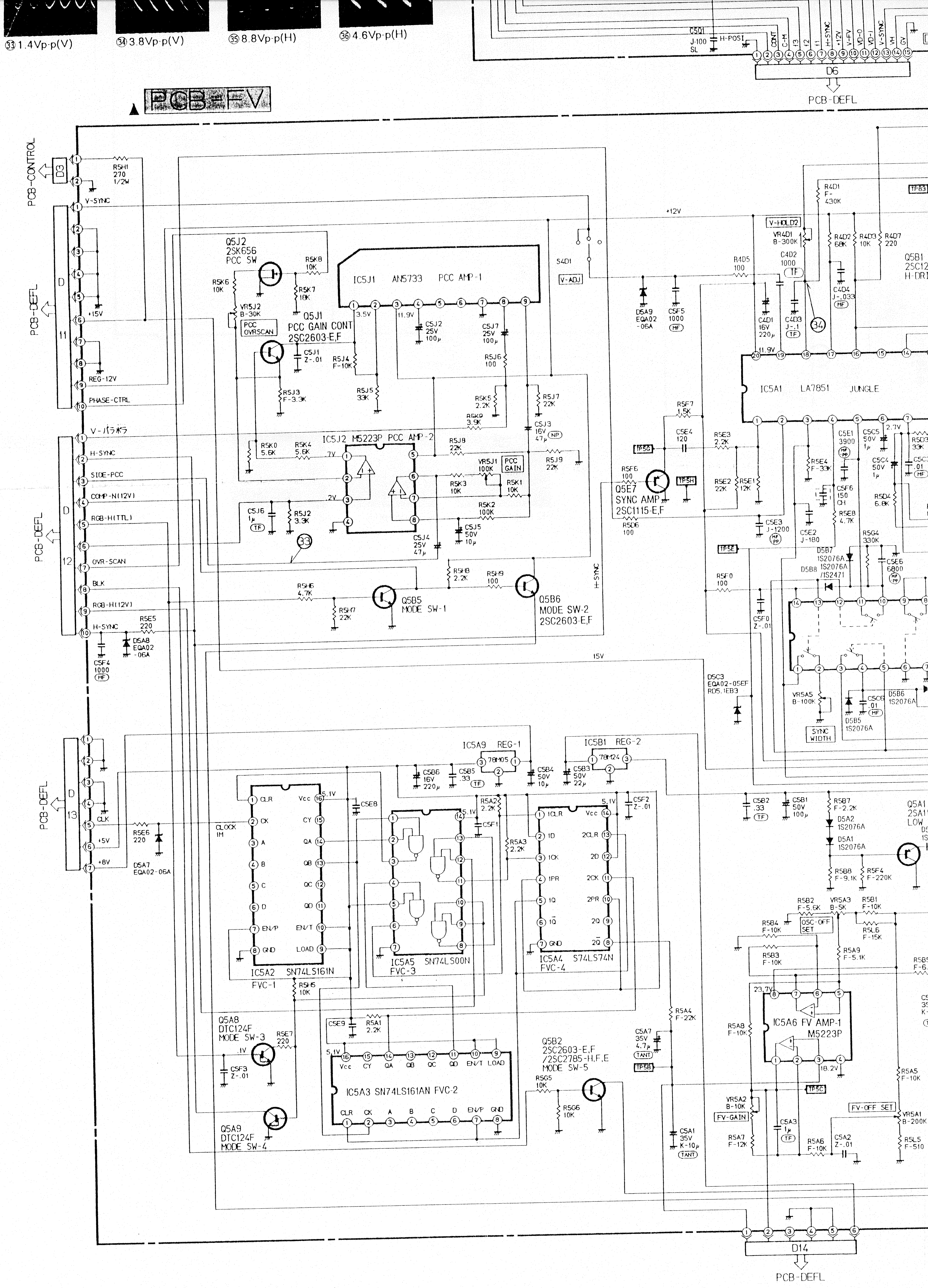


㊱ 4.6Vp-p(H)

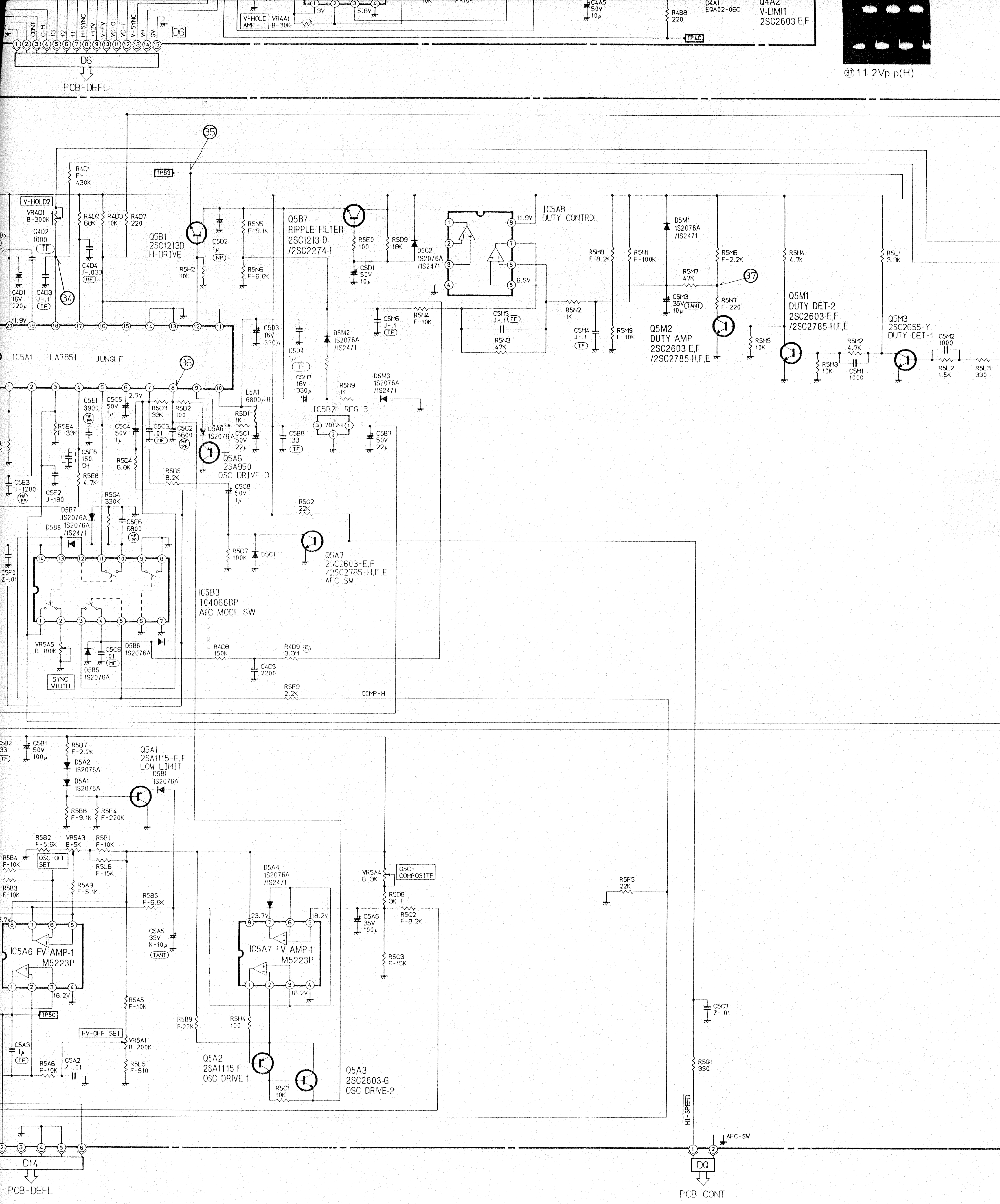
▲ PCB-FV



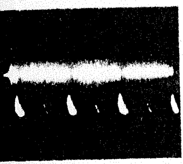
PCB-CONTROL
D3
R5H1 270 1/2W
V-SYNC
+15V
REG-12V
PHASE-CTRL
PCB-DEFL D 11
V-パラボラ
H-SYNC
SIDE-PCC
COMP-N(12V)
RGB-H(TTL)
OVR-SCAN
BLK
RGB-H(12V)
H-SYNC
PCB-DEFL D 12
R5E5 220
D5A8 EQA02-06A
C5F4 1000
Q5J2 2SK656 PCC SW
R5K8 10K
R5K6 10K
R5K7 10K
VR5J2 B-30K
PCC OVRSCAN
Q5J1 PCC GAIN CONT 2SC2603-E,F
C5J1 Z-.01
R5J4 F-10K
R5J3 F-3.3K
R5J5 33K
IC5J1 AN5733 PCC AMP-1
C5J2 25V 100μ
C5J7 25V 100μ
R5J6 100
R5K5 2.2K
R5K9 3.9K
R5J7 22K
C5J3 16V 47μ
IC5J2 M5223P PCC AMP-2
R5K0 5.6K
R5K4 5.6K
R5J8 22K
VR5J1 100K
PCC GAIN
R5K3 10K
R5K1 10K
R5K2 100K
R5J9 22K
C5J6 1μ
R5J2 3.3K
C5J4 25V 47μ
C5J5 50V 10μ
㉝
R5H8 2.2K
R5H9 100
R5H6 4.7K
R5H7 22K
Q5B5 MODE SW-1
Q5B6 MODE SW-2 2SC2603-E,F
S4D1
V-ADJ
+12V
15V
H-SYNC
D5A9 EQA02-06A
C5F5 1000
R4D5 100
R4D1 F-430K
V-HOLD2
VR4D1 B-300K
C4D2 1000
R4D2 68K
R4D3 10K
R4D7 220
C4D4 J-.033
C4D1 16V 220μ
C4D3 J-.1
㉞
Q5B1 2SC12 H-DRI
TP83
IC5A1 LA7851 JUNGLE
11.9V
R5F7 1.5K
C5E4 120
R5E3 2.2K
TP5G
R5F6 100
Q5E7 SYNC AMP 2SC1115-E,F
TP5H
R5E2 22K
R5E1 12K
R5D6 100
C5E3 J-1200
TP5E
R5F0 100
C5F0 Z-.01
C5E1 3900
R5E4 F-33K
C5C5 50V 1μ
C5C4 50V 1μ
C5F6 150 CH
C5E2 J-180
R5E8 4.7K
R5D4 6.8K
R5G4 330K
R5D3 33K
D5B7 1S2076A
D5B8 1S2076A 1S2471
C5E6 6800
D5C3 EQA02-05EF RD5.1EB3
VR5A5 B-100K
SYNC WIDTH
C5C6 .01
D5B5 1S2076A
D5B6 1S2076A
PCB-DEFL D 13
CLK
+5V
+8V
R5E6 220
D5A7 EQA02-06A
CLOCK IN
IC5A9 REG-1 78M05
IC5B1 REG-2 78M24
C5B6 16V 220μ
C5B5 .33
C5B4 50V 10μ
C5B3 50V 22μ
C5F2 Z-.01
C5E8
C5F1
R5A2 2.2K
R5A3 2.2K
CLR Vcc CK CY A QA B QB
1CLR Vcc 1D 2CLR 1CK 2D 1PR 2CK
C5B2 .33
C5B1 50V 100μ
R5B7 F-2.2K
D5A2 1S2076A
D5A1 1S2076A
R5B8 F-9.1K
R5F4 F-220K
Q5A1 2SA1 LOW



㉝1.4Vp-p(V)
㉞3.8Vp-p(V)
㉟8.8Vp-p(H)
㊱4.6Vp-p(H)
PCB-FV
C5Q1 J-100 SL
H-POSI
CONT
C-H
f3
f2
f1
H-SYNC
+12V
V-FV
VD-O
VD-I
V-SYNC
VH
GV
D6
PCB-DEFL
PCB-CONTROL
D3
R5H1 270 1/2W
V-SYNC
+15V
REG-12V
PHASE-CTRL
D 11
Q5J2 2SK656 PCC SW
R5K8 10K
R5K6 10K
R5K7 10K
VR5J2 B-30K
PCC OVRSCAN
Q5J1 PCC GAIN CONT 2SC2603-E,F
C5J1 Z-.01
R5J4 F-10K
R5J3 F-3.3K
R5J5 33K
IC5J1 AN5733 PCC AMP-1
3.5V
11.9V
C5J2 25V 100μ
C5J7 25V 100μ
R5J6 100
R5K5 2.2K
R5K9 3.9K
R5J7 22K
C5J3 16V 47μ NP
S4D1
V-ADJ
IC5J2 M5223P PCC AMP-2
R5K0 5.6K
R5K4 5.6K
.7V
2V
R5J8 22K
VR5J1 100K
PCC GAIN
R5J9 22K
R5K3 10K
R5K1 10K
R5K2 100K
C5J6 1μ TF
R5J2 3.3K
C5J5 50V 10μ
C5J4 25V 47μ
V-パラボラ
H-SYNC
SIDE-PCC
COMP-N(12V)
RGB-H(TTL)
OVR-SCAN
BLK
RGB-H(12V)
H-SYNC
D 12
R5H6 4.7K
R5H7 22K
Q5B5 MODE SW-1
R5H8 2.2K
R5H9 100
Q5B6 MODE SW-2 2SC2603-E,F
H-SYNC
R5E5 220
D5A8 EQA02-06A
C5F4 1000 HF
15V
+12V
D5A9 EQA02-06A
C5F5 1000 HF
R4D5 100
V-HOLD2
R4D1 F-430K
VR4D1 B-300K
R4D2 68K
R4D3 10K
R4D7 220
C4D2 1000 TF
C4D1 16V 220μ
C4D3 J-.1 TF
C4D4 J-.033 MF
Q5B1 2SC1 H-DRI
TPB3
11.9V
IC5A1 LA7851 JUNGLE
R5F7 1.5K
C5E4 120
R5E3 2.2K
TP5G
R5F6 100
Q5E7 SYNC AMP 2SC1115-E,F
TP5H
R5E2 22K
R5E1 12K
R5D6 100
C5E3 J-1200 MF PP
R5E4 F-33K
C5E1 3900 MF PP
C5C5 50V 1μ
C5C4 50V 1μ
2.7V
R5D3 33K
C5F6 150 CH
R5E8 4.7K
R5D4 6.8K
C5E2 J-180
R5G4 330K
TP5E
D5B7 1S2076A
D5B8 1S2076A /1S2471
C5E6 6800 MF PP
R5F0 100
C5F0 Z-.01
D5C3 EQA02-05EF RD5.1EB3
VR5A5 B-100K
SYNC WIDTH
D5B5 1S2076A
C5C6 .01 MF
D5B6 1S2076A
D 13
CLK
+15V
+8V
R5E6 220
D5A7 EQA02-06A
CLOCK IN
IC5A9 REG-1 78M05
IC5B1 REG-2 78M24
C5B6 16V 220μ
C5B5 .33 TF
C5B4 50V 10μ
C5B3 50V 22μ
C5E8
5.1V
IC5A2 SN74LS161N FVC-1
CLR CK A B C D EN/P GND Vcc CY QA QB QC QD EN/T LOAD
R5A2 2.2K
C5F1
R5A3 2.2K
IC5A5 SN74LS00N FVC-3
C5F2 Z-.01
IC5A4 S74LS74N FVC-4
1CLR 1D 1CK 1PR 1Q 1Q̄ GND Vcc 2CLR 2D 2CK 2PR 2Q 2Q̄
C5B2 .33 TF
C5B1 50V 100μ
R5B7 F-2.2K
D5A2 1S2076A
D5A1 1S2076A
Q5A1 2SA1 LOW
R5B8 F-9.1K
R5F4 F-220K
R5B2 F-5.6K
VR5A3 B-5K
R5B1 F-10K
R5B4 F-10K
OSC-OFF SET
R5L6 F-15K
R5B3 F-10K
R5A9 F-5.1K
R5H5 10K
Q5A8 DTC124F MODE SW-3
.1V
R5E7 220
C5F3 Z-.01
Q5A9 DTC124F MODE SW-4
C5E9
R5A1 2.2K
IC5A3 SN74LS161AN FVC-2
Q5B2 2SC2603-E,F /2SC2785-H,F,E MODE SW-5
R5G5 10K
R5G6 10K
R5A4 F-22K
C5A7 35V 4.7μ TANT
TP5B
C5A1 35V K-10μ TANT
23.7V
IC5A6 FV AMP-1 M5223P
18.2V
R5A8 F-10K
TP5C
VR5A2 B-10K
FV-GAIN
R5A7 F-12K
C5A3 1μ TF
R5A6 F-10K
C5A2 Z-.01
FV-OFF SET
VR5A1 B-200K
R5A5 F-10K
R5L5 F-510
D14
PCB-DEFL

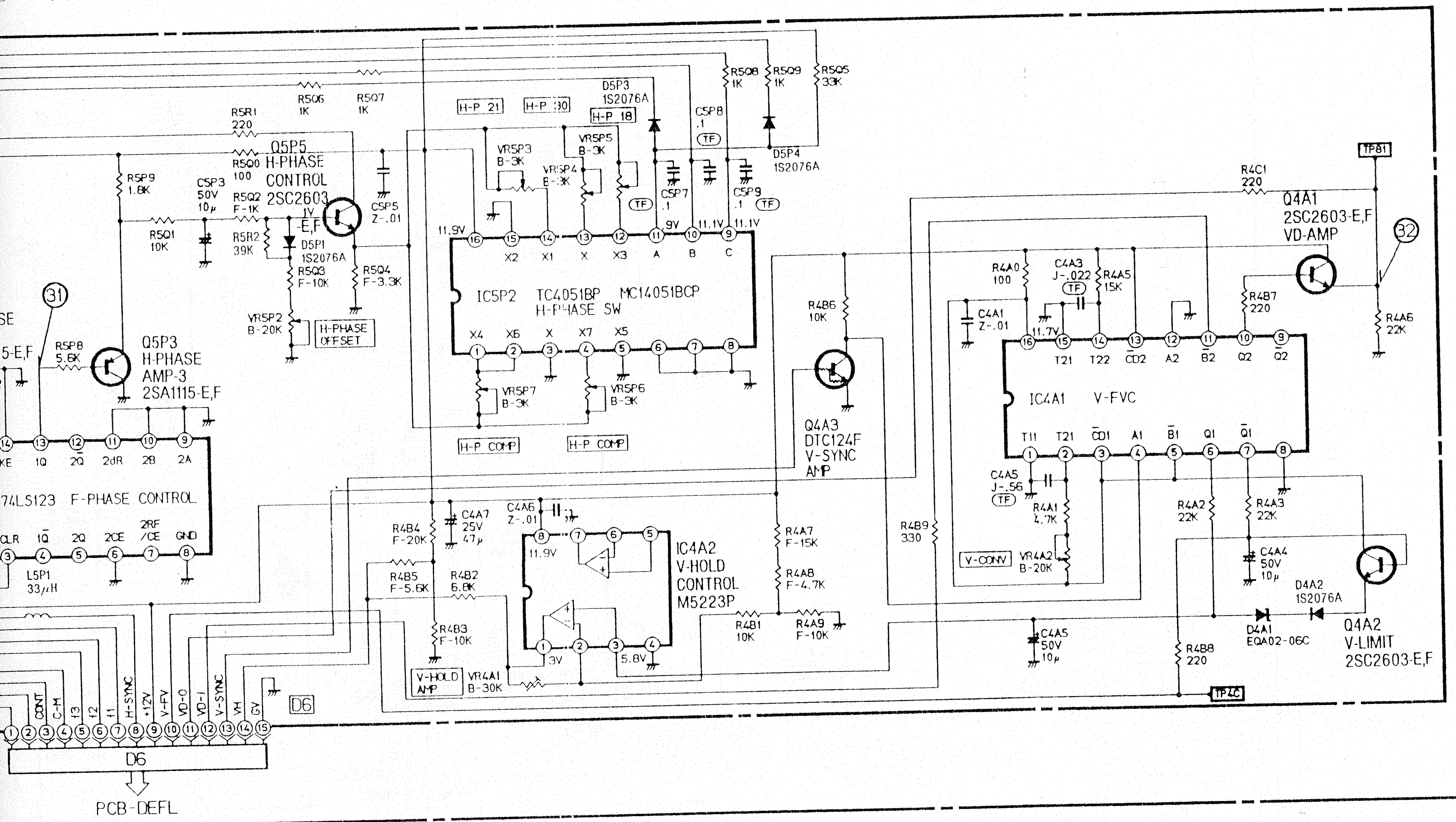


CONT
C-H
13
12
11
H-SYNC
+12V
V-FV
VD-O
VD-I
V-SYNC
VH
GV
D6
PCB-DEFL
V-HOLD AMP
VR4A1 B-30K
3V
5.8V
C4A5 50V 10μ
R4B8 220
D4A1 EQA02-06C
Q4A2 V-LIMIT 2SC2603-E,F
TP4C
㊲ 11.2Vp-p(H)
㉟
TPB3
R4D1 F-430K
V-HOLD2
VR4D1 B-300K
C4D2 1000 (TF)
R4D2 68K
R4D3 10K
R4D7 220
C4D4 J-.033 (MF)
C4D1 16V 220μ
C4D3 J-.1 (TF)
㉞
Q5B1 2SC1213D H-DRIVE
C5D2 1μ (NP)
R5N5 F-9.1K
R5N6 F-6.8K
R5H2 10K
Q5B7 RIPPLE FILTER 2SC1213-D /2SC2274-F
R5E0 100
C5D1 50V 10μ
R5D9 18K
D5C2 1S2076A /1S2471
IC5A8 DUTY CONTROL
11.9V
6.5V
D5M1 1S2076A /1S2471
R5M8 F-8.2K
R5N1 F-100K
R5M6 F-2.2K
R5N4 4.7K
R5L1 3.3K
R5M7 47K
㊲
C5M3 35V 10μ (TANT)
R5N7 F-220
C5M5 J-.1 (TF)
R5N3 47K
R5N2 1K
C5M4 J-.1 (TF)
R5M9 F-10K
Q5M2 DUTY AMP 2SC2603-E,F /2SC2785-H,F,E
R5M5 10K
Q5M1 DUTY DET-2 2SC2603-E,F /2SC2785-H,F,E
R5M3 10K
R5M2 4.7K
C5M1 1000
Q5M3 2SC2655-Y DUTY DET-1
C5M2 1000
R5L2 1.5K
R5L3 330
11.9V
IC5A1 LA7851 JUNGLE
㊱
C5D3 16V 330μ
C5D4 1μ (TF)
C5M7 16V 330μ
D5M2 1S2076A /1S2471
C5M6 J-.1 (TF)
R5N4 F-10K
R5N9 1K
D5M3 1S2076A /1S2471
IC5B2 REG 3
7812H
C5E1 3900 (MF)(PP)
C5C5 50V 1μ
2.7V
R5D3 33K
R5D2 100
L5A1 6800μH
R5D1 1K
R5E4 F-33K
C5C4 50V 1μ
C5C3 .01 (MF)
C5C2 5600 (MF)(PP)
D5A6 1S2076A
C5C1 50V 22μ
C5B8 .33 (TF)
C5B7 50V 22μ
C5F6 150 CH
R5D4 6.8K
Q5A6 2SA950 OSC DRIVE-3
R5E8 4.7K
R5D5 8.2K
C5E3 J-1200 (MF)(PP)
C5E2 J-180
C5C8 50V 1μ
R5G4 330K
R5G2 22K
D5B7 1S2076A
D5B8 1S2076A /1S2471
C5E6 6800 (MF)(PP)
R5D7 100K
D5C1
Q5A7 2SC2603-E,F /2SC2785-H,F,E AFC SW
C5F0 Z-.01
IC5B3 TC4066BP AFC MODE SW
VR5A5 B-100K
SYNC WIDTH
C5C6 .01 (MF)
D5B5 1S2076A
D5B6 1S2076A
R4D8 150K
R4D9 3.3K Ⓢ
C4D5 2200
R5F9 2.2K
COMP-H
C5B2 .33 (TF)
C5B1 50V 100μ
R5B7 F-2.2K
D5A2 1S2076A
D5A1 1S2076A
Q5A1 2SA1115-E,F LOW LIMIT
D5B1 1S2076A
R5B8 F-9.1K
R5F4 F-220K
R5B2 F-5.6K
VR5A3 B-5K
R5B1 F-10K
R5B4 F-10K
OSC-OFF SET
R5L6 F-15K
R5B3 F-10K
R5A9 F-5.1K
R5B5 F-6.8K
IC5A6 FV AMP-1 M5223P
18.2V
C5A5 35V K-10μ (TANT)
D5A4 1S2076A /1S2471
23.7V
18.2V
IC5A7 FV AMP-1 M5223P
18.2V
VR5A4 B-3K
OSC-COMPOSITE
R5D8 3K-F
C5A6 35V 100μ
R5C2 F-8.2K
R5C3 F-15K
R5F5 22K
TP5C
FV-OFF SET
R5A5 F-10K
VR5A1 B-200K
R5L5 F-510
C5A3 1μ (TF)
R5A6 F-10K
C5A2 Z-.01
R5B9 F-22K
R5H4 100
Q5A2 2SA1115-F OSC DRIVE-1
Q5A3 2SC2603-G OSC DRIVE-2
R5C1 10K
C5C7 Z-.01
R5G1 330
HI-SPEED
AFC-SW
D14
PCB-DEFL
DQ
PCB-CONT

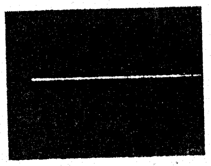


2.6Vp-p(H)

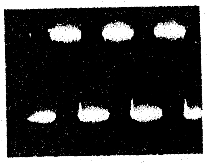
	C	B	A
15K	H	H	H
18K	L	H	H
21K	L	L	H
31K	L	L	L
COMP	H	H	L



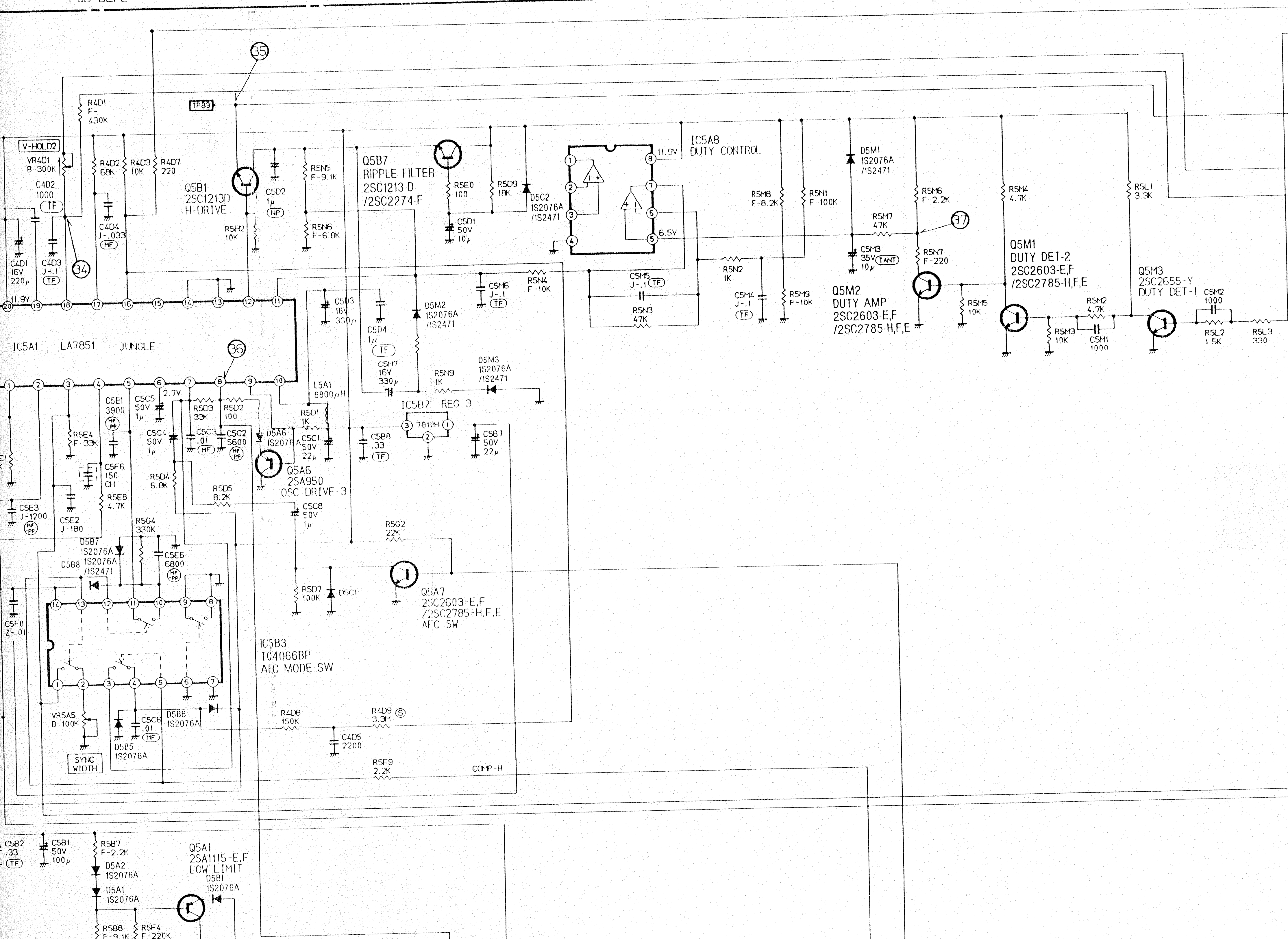
Q5P5 H-PHASE CONTROL 2SC2603-E,F
Q5P3 H-PHASE AMP-3 2SA1115-E,F
74LS123 F-PHASE CONTROL
IC5P2 TC4051BP MC14051BCP H-PHASE SW
H-P 21
H-P 30
H-P 18
H-P COMP
H-PHASE OFFSET
Q4A3 DTC124F V-SYNC AMP
IC4A2 V-HOLD CONTROL M5223P
V-HOLD AMP
IC4A1 V-FVC
V-CONV
Q4A1 2SC2603-E,F VD-AMP
Q4A2 V-LIMIT 2SC2603-E,F
TP81
TP4C
31
32
D6
PCB-DEFL



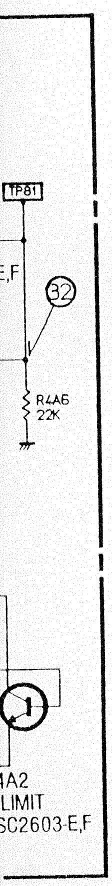
㉜ 5.6Vp-p(V)

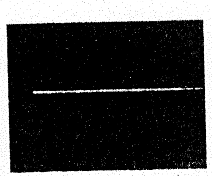


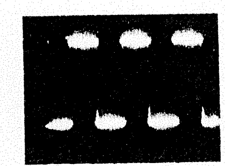
㊲ 11.2Vp-p(H)

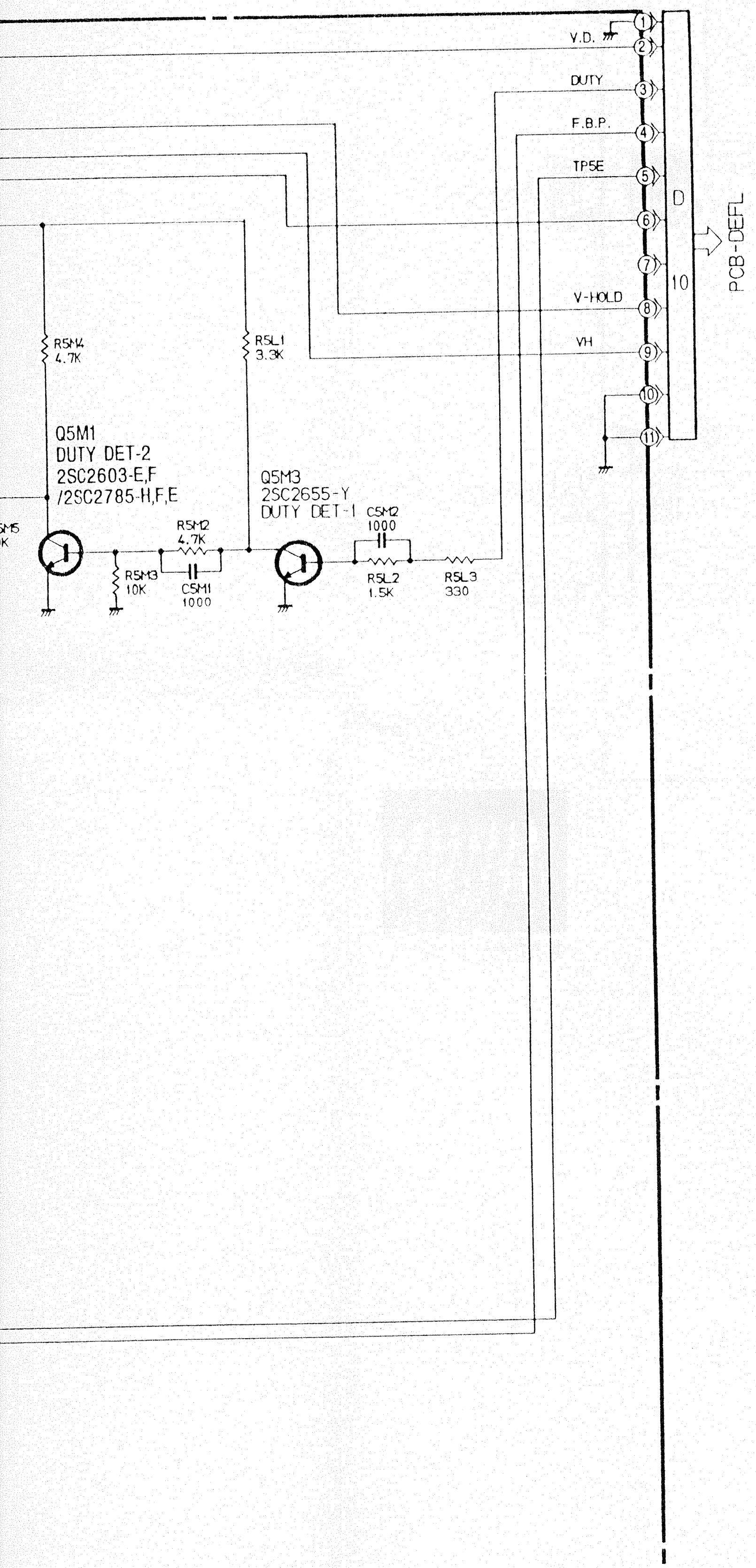


TP83
35
V-HOLD2
Q5B1 2SC1213D H-DRIVE
Q5B7 RIPPLE FILTER 2SC1213-D /2SC2274-F
IC5A8 DUTY CONTROL
Q5M2 DUTY AMP 2SC2603-E,F /2SC2785-H,F,E
Q5M1 DUTY DET-2 2SC2603-E,F /2SC2785-H,F,E
Q5M3 2SC2655-Y DUTY DET-1
37
34
36
IC5A1 LA7851 JUNGLE
IC5B2 REG 3
Q5A6 2SA950 OSC DRIVE-3
Q5A7 2SC2603-E,F /2SC2785-H,F,E AFC SW
IC5B3 TC4066BP AFC MODE SW
SYNC WIDTH
COMP-H
Q5A1 2SA1115-E,F LOW LIMIT

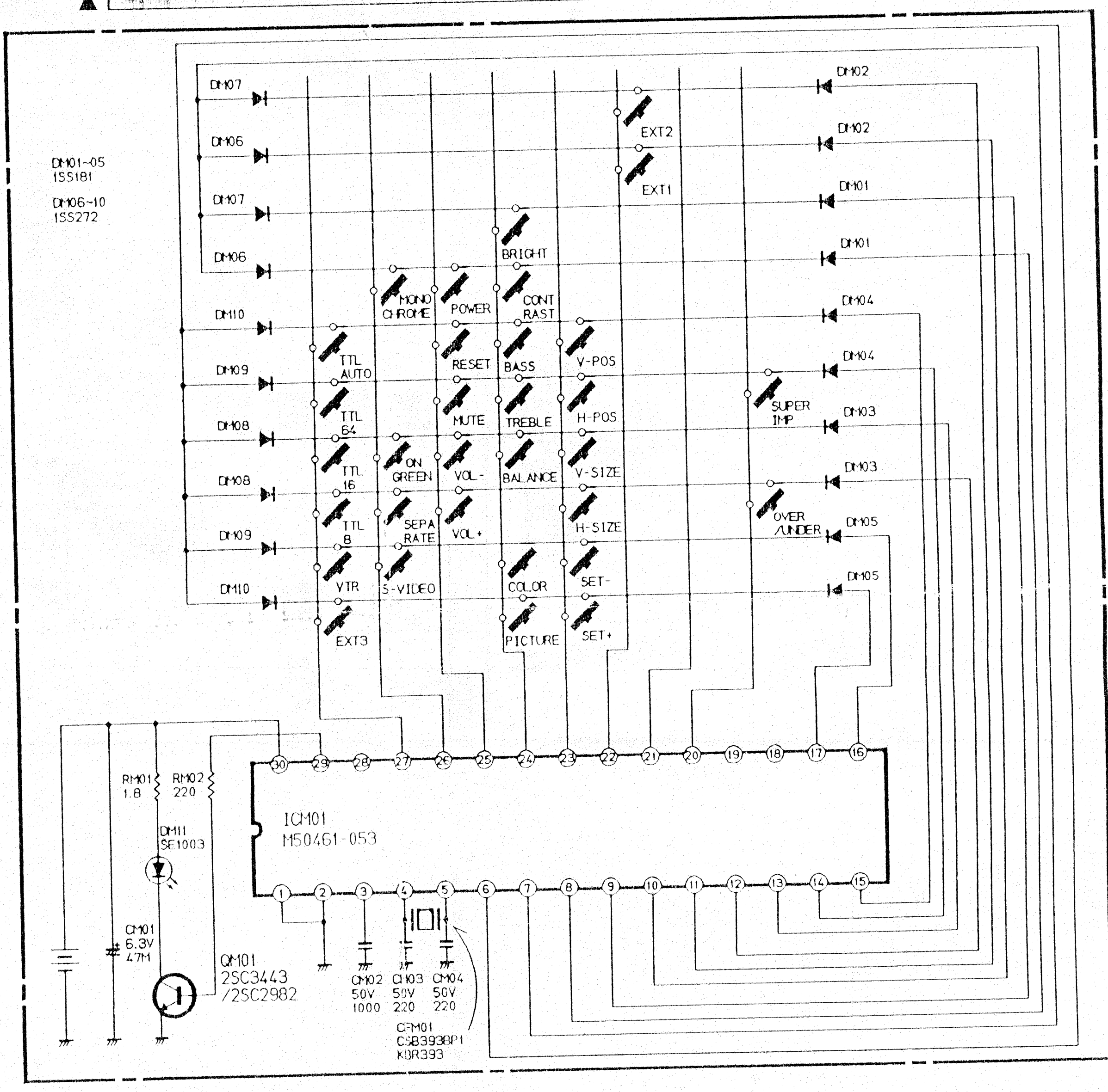

TP81
E,F
㉜
R4A6
22K
A2
LIMIT
C2603-E,F

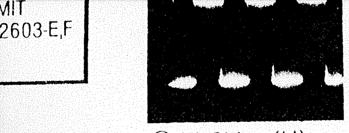

㉜5.6Vp-p(V)


㊲11.2Vp-p(H)

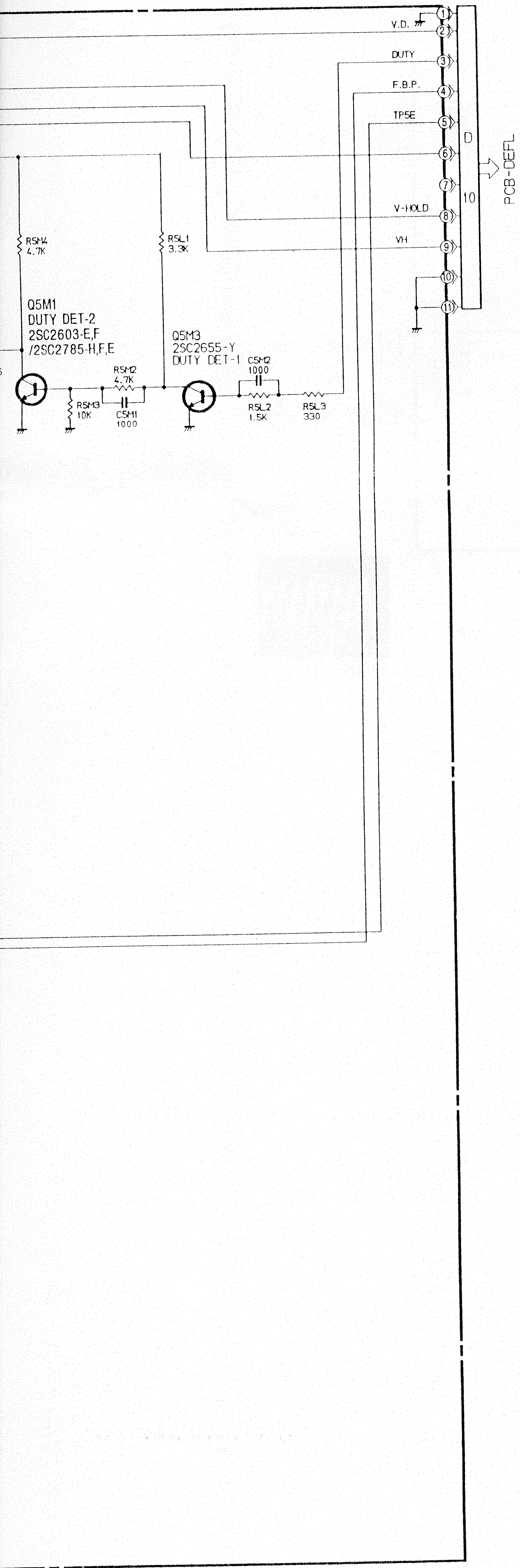

V.D.
DUTY
F.B.P.
TP5E
V-HOLD
VH
D
10
PCB-DEFL
R5M4
4.7K
R5L1
3.3K
Q5M1
DUTY DET-2
2SC2603-E,F
/2SC2785-H,F,E
Q5M3
2SC2655-Y
DUTY DET-1
R5M2
4.7K
C5M2
1000
R5M3
10K
C5M1
1000
R5L2
1.5K
R5L3
330

▲REMCON TRANSMITTER


DM01-05
1SS181
DM06-10
1SS272
DM07
DM06
DM07
DM06
DM10
DM09
DM08
DM08
DM09
DM10
DM02
DM02
DM01
DM01
DM04
DM04
DM03
DM03
DM05
DM05
EXT2
EXT1
BRIGHT
MONO CHROME
POWER
CONT RAST
RESET
BASS
V-POS
TTL AUTO
MUTE
TREBLE
H-POS
SUPER IMP
TTL 64
ON GREEN
VOL-
BALANCE
V-SIZE
TTL 16
SEPA RATE
VOL+
H-SIZE
OVER /UNDER
TTL 8
VTR
S-VIDEO
COLOR
SET-
EXT3
PICTURE
SET+
RM01
1.8
RM02
220
DM11
SE1003
CM01
6.3V
47M
QM01
2SC3443
/2SC2982
ICM01
M50461-053
CM02
50V
1000
CM03
50V
220
CM04
50V
220
CFM01
CSB393BP1
KBR393

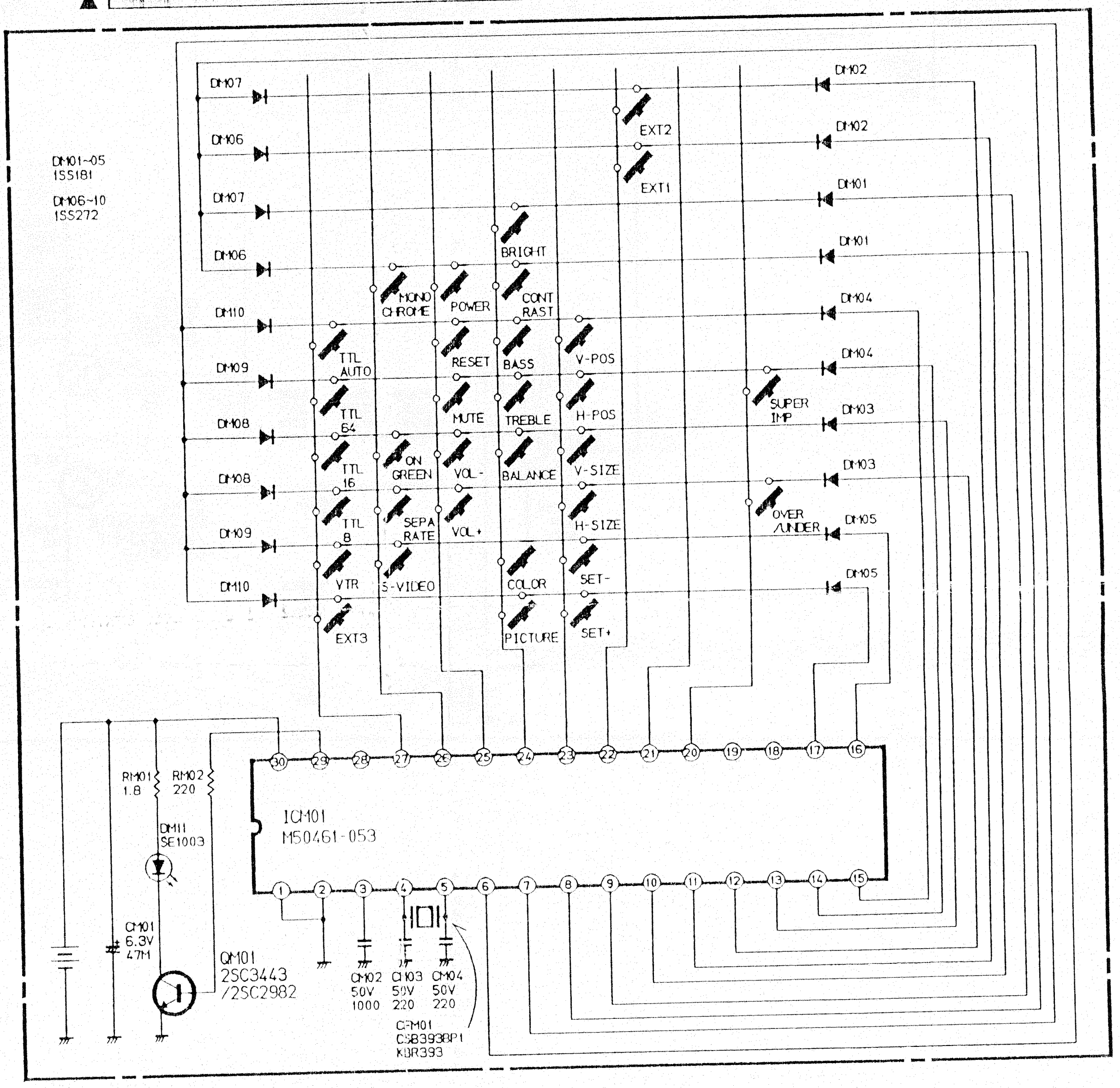


㊲ 11.2Vp-p(H)

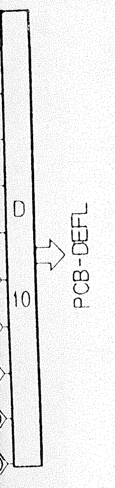


V.D.
DUTY
F.B.P.
TP5E
V-HOLD
VH
D
10
PCB-DEFL
R5M4
4.7K
R5L1
3.3K
Q5M1
DUTY DET-2
2SC2603-E,F
/2SC2785-H,F,E
Q5M3
2SC2655-Y
DUTY DET-1
C5M2
1000
R5M2
4.7K
R5M3
10K
C5M1
1000
R5L2
1.5K
R5L3
330

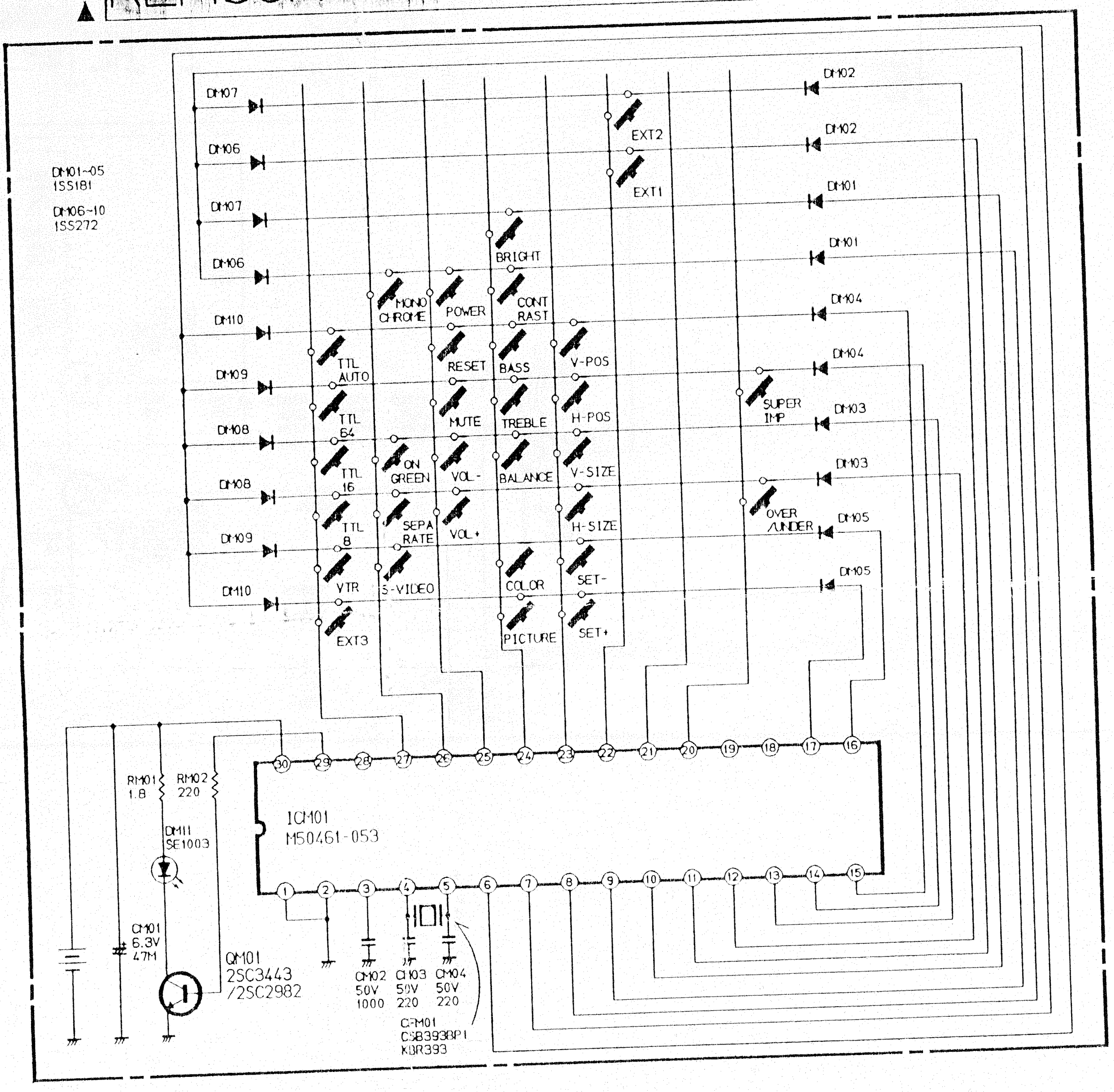
REMCON TRANSMITTER

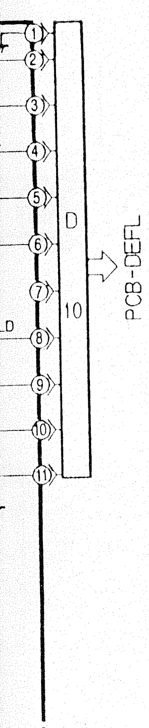


DM01~05
1SS181
DM06~10
1SS272
DM07
DM06
DM10
DM09
DM08
DM02
DM01
DM04
DM03
DM05
EXT2
EXT1
BRIGHT
MONO CHROME
POWER
CONT RAST
TTL AUTO
RESET
BASS
V-POS
TTL 64
MUTE
TREBLE
H-POS
SUPER IMP
TTL 16
ON GREEN
VOL-
BALANCE
V-SIZE
TTL 8
SEPA RATE
VOL+
H-SIZE
OVER /UNDER
VTR
S-VIDEO
COLOR
SET-
EXT3
PICTURE
SET+
RM01
1.8
RM02
220
DM11
SE1003
CM01
6.3V
47M
QM01
2SC3443
/2SC2982
ICM01
M50461-053
CM02
50V
1000
CM03
50V
220
CM04
50V
220
CRM01
CSB393BP1
KBR393


D
10
PCB-DEFL

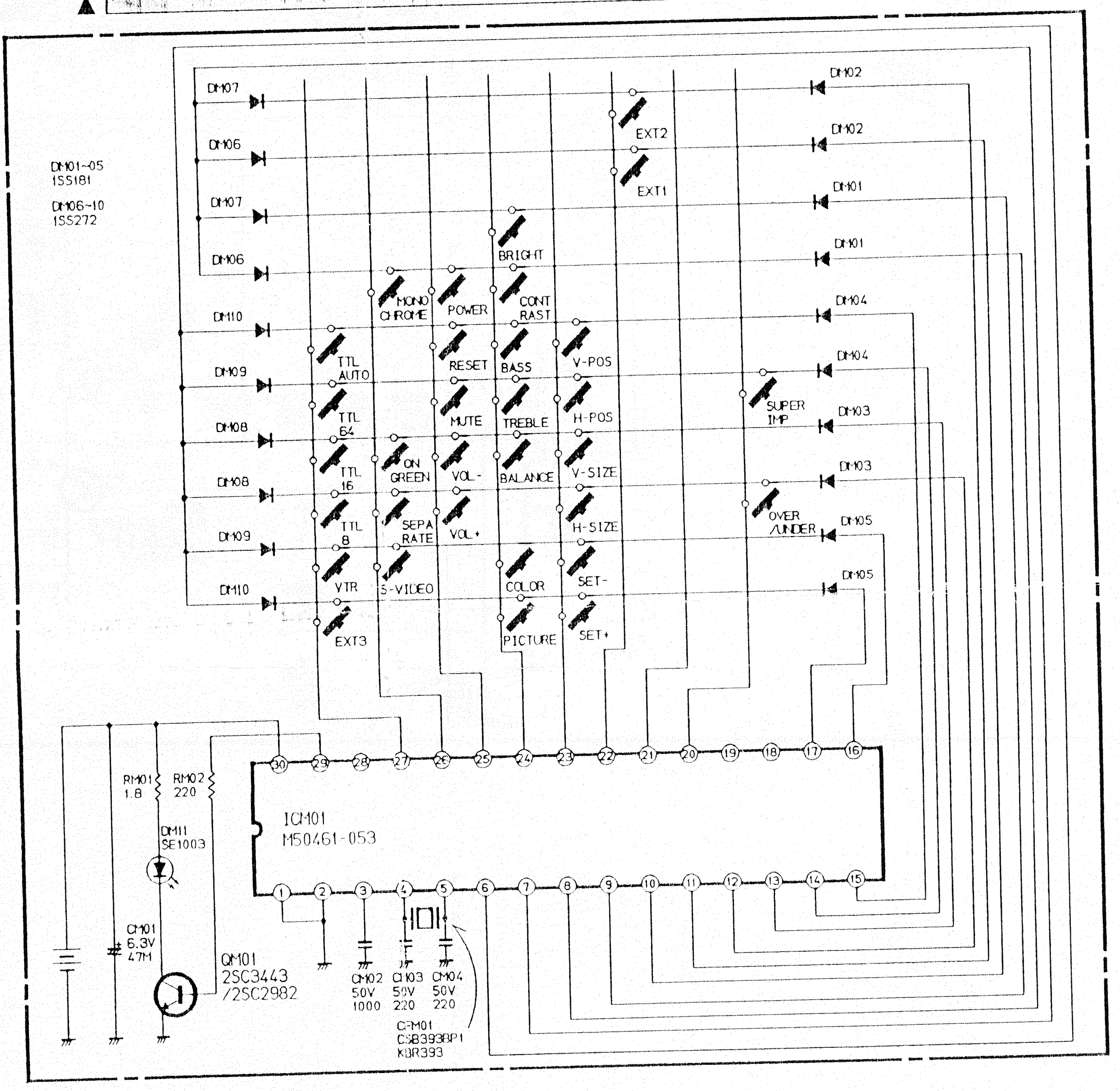
REMCON TRANSMITTER


DM01~05
1SS181
DM06~10
1SS272
DM07
DM06
DM07
DM06
DM10
DM09
DM08
DM08
DM09
DM10
EXT2
EXT1
BRIGHT
MONO CHROME
POWER
CONT RAST
TTL AUTO
RESET
BASS
V-POS
TTL 64
MUTE
TREBLE
H-POS
ON GREEN
TTL 16
VOL -
BALANCE
V-SIZE
TTL 8
SEPA RATE
VOL +
H-SIZE
VTR
S-VIDEO
COLOR
SET-
EXT3
PICTURE
SET+
SUPER IMP
OVER /UNDER
DM02
DM02
DM01
DM01
DM04
DM04
DM03
DM03
DM05
DM05
30
29
28
27
26
25
24
23
22
21
20
19
18
17
16
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
ICM01
M50461-053
RM01 1.8
RM02 220
DM11 SE1003
CM01 6.3V 47M
QM01 2SC3443 /2SC2982
CM02 50V 1000
CM03 50V 220
CM04 50V 220
CFM01 CSB393BP1 KBR393

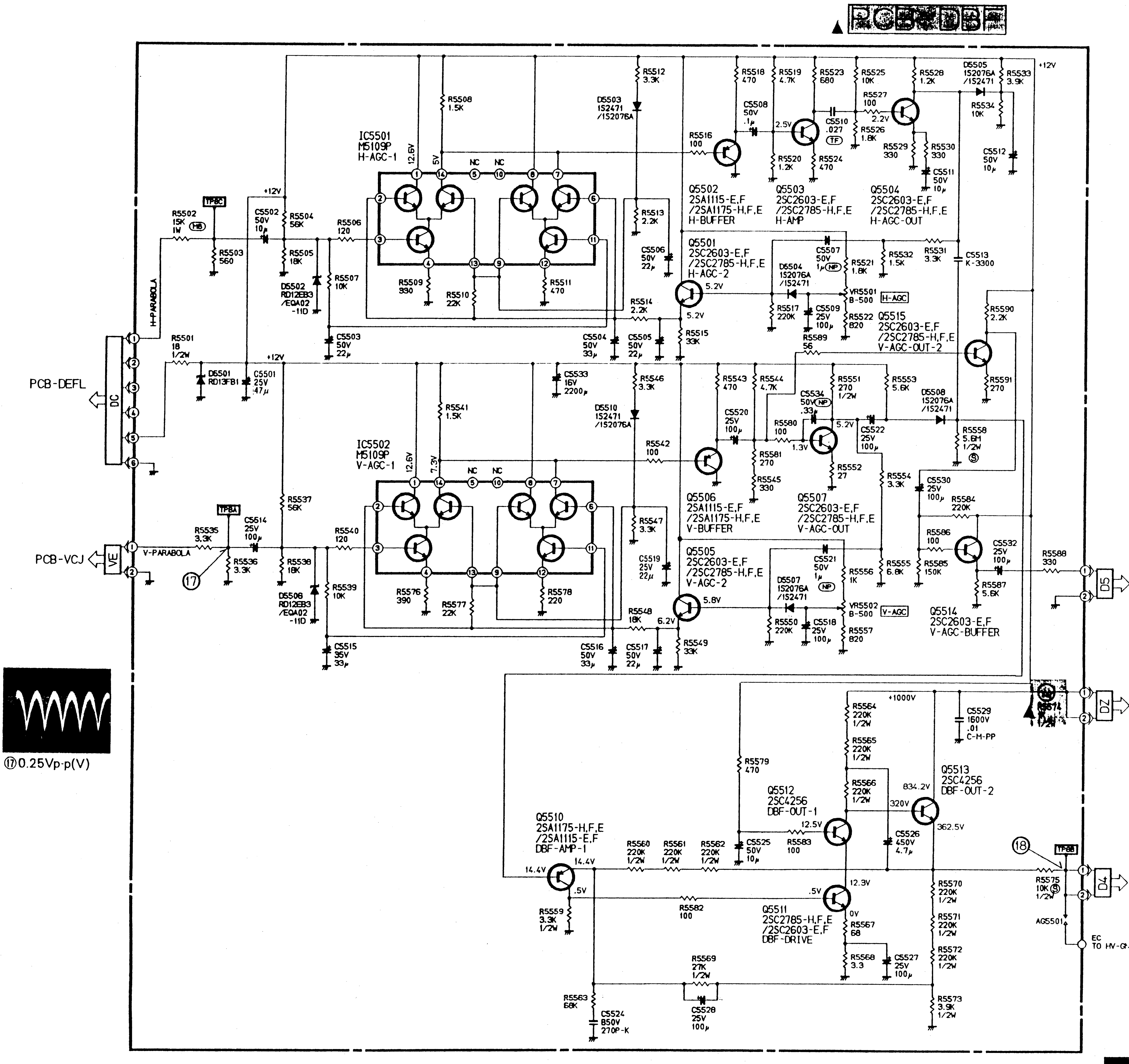


1
2
3
4
5
6
7
LD
8
9
10
11
D
10
PCB-DEFL

REMCON TRANSMITTER

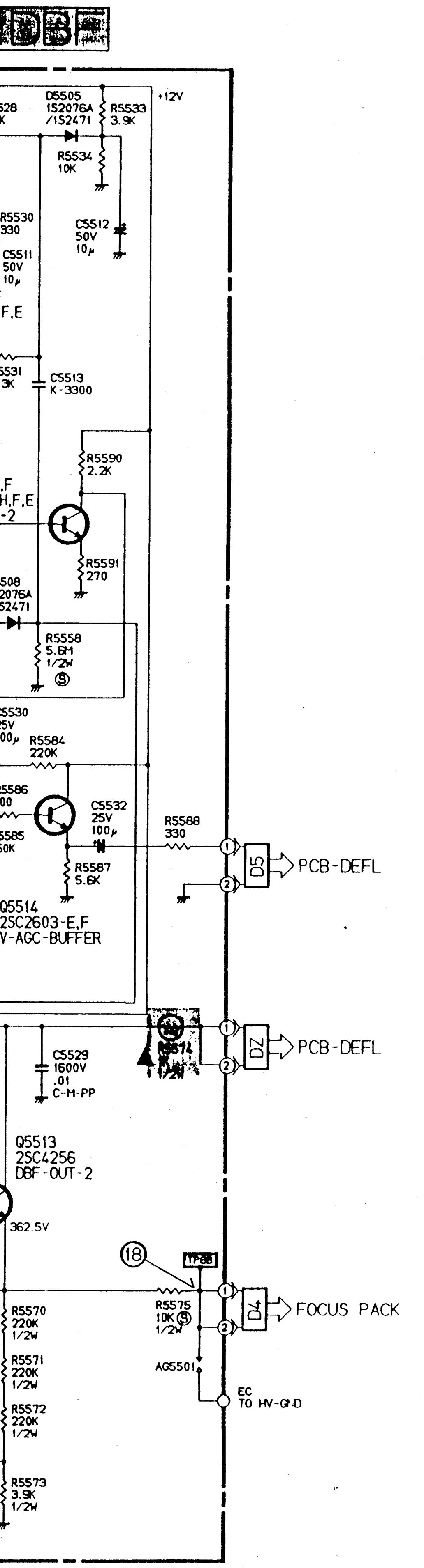


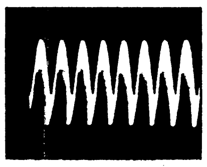
DM01-05
1SS181
DM06-10
1SS272
DM07
DM06
DM07
DM06
DM10
DM09
DM08
DM08
DM09
DM10
DM02
DM02
DM01
DM01
DM04
DM04
DM03
DM03
DM05
DM05
EXT2
EXT1
BRIGHT
MONO CHROME
POWER
CONT RAST
TTL AUTO
RESET
BASS
V-POS
SUPER IMP
TTL 64
MUTE
TREBLE
H-POS
ON GREEN
TTL 16
VOL-
BALANCE
V-SIZE
OVER /UNDER
TTL 8
SEPA RATE
VOL+
H-SIZE
VTR
S-VIDEO
COLOR
SET-
EXT3
PICTURE
SET+
RM01
1.8
RM02
220
DM11
SE1003
CM01
6.3V
47M
QM01
2SC3443
/2SC2982
ICM01
M50461-053
CM02
50V
1000
CM03
50V
220
CM04
50V
220
CFM01
CSB393BP1
KBR393

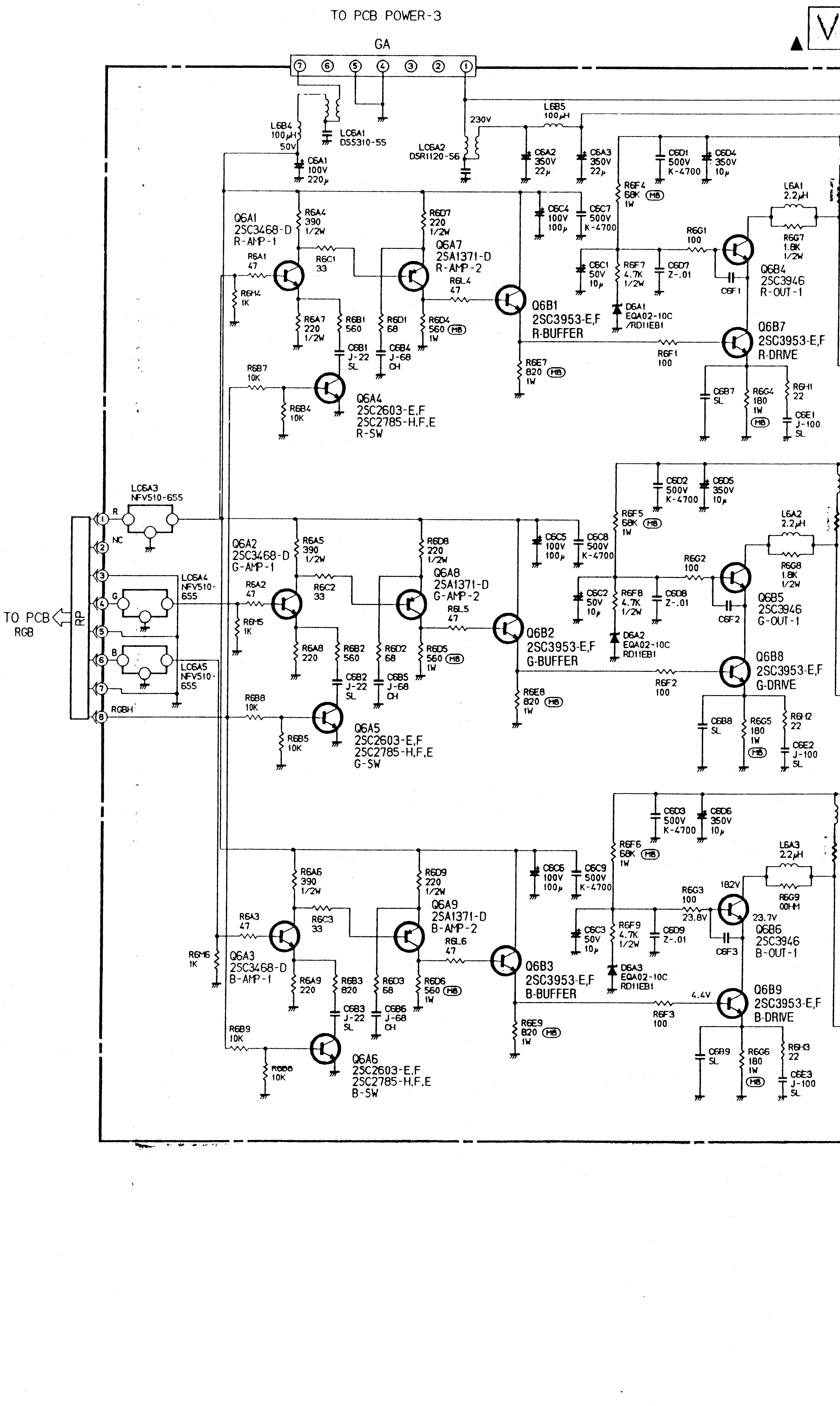

▲PCB-DBF
IC5501
M5109P
H-AGC-1
IC5502
M5109P
V-AGC-1
12.6V
5V
7.3V
NC
+12V
TP8C
TP8A
TP8B
R5502 15K 1W
R5503 560
R5504 56K
R5505 18K
R5506 120
R5507 10K
R5508 1.5K
R5509 390
R5510 22K
R5511 470
R5512 3.3K
R5513 2.2K
R5514 2.2K
R5515 33K
R5516 100
R5517 220K
R5518 470
R5519 4.7K
R5520 1.2K
R5521 1.8K
R5522 820
R5523 680
R5524 470
R5525 10K
R5526 1.8K
R5527 100
R5528 1.2K
R5529 330
R5530 330
R5531 3.3K
R5532 1.5K
R5533 3.9K
R5534 10K
R5501 18 1/2W
D5501 RD13FB1
C5501 25V 47μ
C5502 50V 10μ
C5503 50V 22μ
C5504 50V 33μ
C5505 50V 22μ
C5506 50V 22μ
C5507 50V 1μ NP
C5508 50V .1μ
C5509 25V 100μ
C5510 .027 TF
C5511 50V 10μ
C5512 50V 10μ
C5513 K-3300
C5533 16V 2200μ
D5502 RD12EB3 /EQA02 -11D
D5503 1S2471 /1S2076A
D5504 1S2076A /1S2471
D5505 1S2076A /1S2471
VR5501 B-500 H-AGC
Q5501 2SC2603-E,F /2SC2785-H,F,E H-AGC-2
Q5502 2SA1115-E,F /2SA1175-H,F,E H-BUFFER
Q5503 2SC2603-E,F /2SC2785-H,F,E H-AMP
Q5504 2SC2603-E,F /2SC2785-H,F,E H-AGC-OUT
Q5515 2SC2603-E,F /2SC2785-H,F,E V-AGC-OUT-2
R5590 2.2K
R5591 270
R5589 56
2.5V
2.2V
5.2V
H-PARABOLA
V-PARABOLA
PCB-DEFL
DC
PCB-VCJ
VE
⑰
R5535 3.3K
R5536 3.3K
C5514 25V 100μ
R5537 56K
R5538 18K
R5539 10K
R5540 120
R5541 1.5K
D5506 RD12EB3 /EQA02 -11D
C5515 35V 33μ
R5576 390
R5577 22K
R5578 220
C5516 50V 33μ
C5517 50V 22μ
R5546 3.3K
D5510 1S2471 /1S2076A
R5542 100
R5547 3.3K
C5519 25V 22μ
R5548 18K
6.2V
5.8V
R5549 33K
R5543 470
R5544 4.7K
C5520 25V 100μ
C5534 50V NP .33μ
R5580 100
R5581 270
R5545 330
R5551 270 1/2W
R5552 27
1.3V
C5522 25V 100μ
R5553 5.6K
D5508 1S2076A /1S2471
R5558 5.6M 1/2W
R5554 3.3K
C5530 25V 100μ
R5584 220K
R5586 100
R5585 150K
C5532 25V 100μ
R5587 5.6K
R5588 330
Q5506 2SA1115-E,F /2SA1175-H,F,E V-BUFFER
Q5507 2SC2603-E,F /2SC2785-H,F,E V-AGC-OUT
Q5505 2SC2603-E,F /2SC2785-H,F,E V-AGC-2
C5521 50V 1μ NP
D5507 1S2076A /1S2471
R5556 1K
R5555 6.8K
VR5502 B-500 V-AGC
R5550 220K
C5518 25V 100μ
R5557 820
Q5514 2SC2603-E,F V-AGC-BUFFER
D5
DZ
D4
+1000V
R5564 220K 1/2W
R5565 220K 1/2W
R5566 220K 1/2W
C5529 1600V .01 C-M-PP
R5574 1/2W
R5579 470
Q5512 2SC4256 DBF-OUT-1
Q5513 2SC4256 DBF-OUT-2
834.2V
320V
362.5V
12.5V
C5526 450V 4.7μ
C5525 50V 10μ
R5583 100
Q5510 2SA1175-H,F,E /2SA1115-E,F DBF-AMP-1
14.4V
.5V
R5560 220K 1/2W
R5561 220K 1/2W
R5562 220K 1/2W
R5559 3.3K 1/2W
R5582 100
Q5511 2SC2785-H,F,E /2SC2603-E,F DBF-DRIVE
12.3V
0V
R5567 68
R5568 3.3
C5527 25V 100μ
R5569 27K 1/2W
C5528 25V 100μ
R5563 68K
C5524 850V 270P-K
R5570 220K 1/2W
R5571 220K 1/2W
R5572 220K 1/2W
R5573 3.9K 1/2W
⑱
R5575 10K ⑤
AG5501
EC TO HV-GN

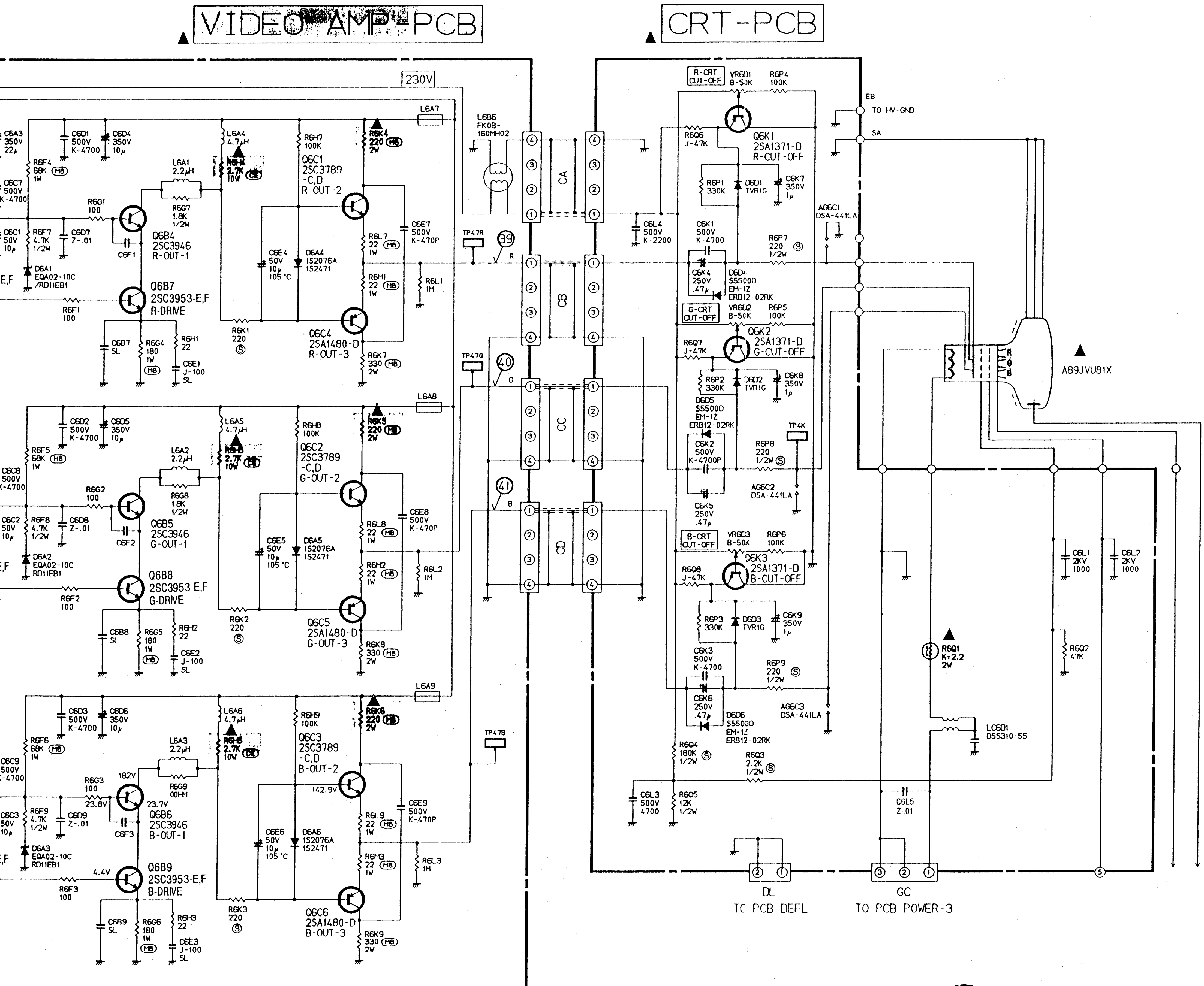
⑰0.25Vp-p(V)

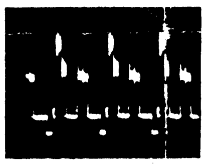
⑱5

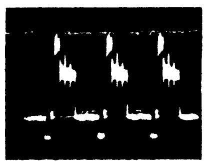

D5505
1S2076A
/1S2471
R5533
3.9K
+12V
R5534
10K
R5530
330
C5512
50V
10μ
C5511
50V
10μ
C5513
K-3300
R5590
2.2K
R5591
270
R5558
5.6M
1/2W
R5584
220K
C5532
25V
100μ
R5587
5.6K
R5588
330
D5
PCB-DEFL
Q5514
2SC2603-E,F
V-AGC-BUFFER
C5529
1600V
.01
C-M-PP
DZ
PCB-DEFL
Q5513
2SC4256
DBF-OUT-2
362.5V
⑱
TP88
R5575
10K
1/2W
D4
FOCUS PACK
AG5501
EC
TO HV-GND
R5570
220K
1/2W
R5571
220K
1/2W
R5572
220K
1/2W
R5573
3.9K
1/2W

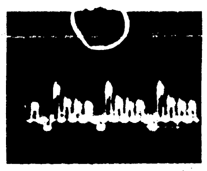

⑱550Vp-p(H)

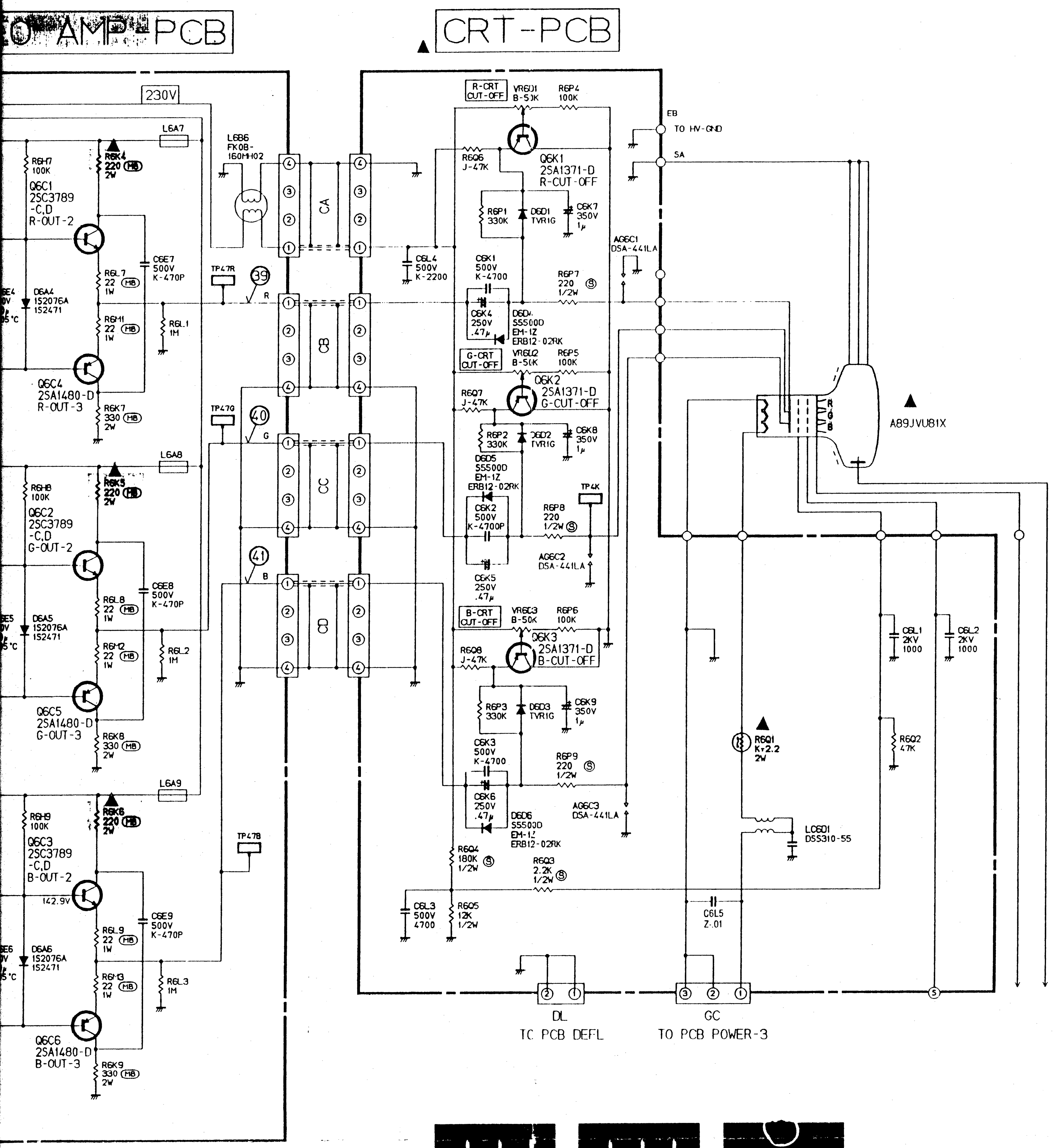

TO PCB POWER-3
GA
⑦ ⑥ ⑤ ④ ③ ② ①
V
L6B4
100μH
50V
LC6A1
DS5310-55
C6A1
100V
220μ
LC6A2
DSR1120-56
230V
L6B5
100μH
C6A2
350V
22μ
C6A3
350V
22μ
C6D1
500V
K-4700
C6D4
350V
10μ
Q6A1
2SC3468-D
R-AMP-1
R6A4
390
1/2W
R6D7
220
1/2W
Q6A7
2SA1371-D
R-AMP-2
C6C4
100V
100μ
C6C7
500V
K-4700
R6F4
68K
1W
MB
L6A1
2.2μH
R6G7
1.8K
1/2W
R6A1
47
R6C1
33
R6L4
47
R6M4
1K
Q6B1
2SC3953-E,F
R-BUFFER
C6C1
50V
10μ
R6F7
4.7K
1/2W
C6D7
Z-.01
R6G1
100
Q6B4
2SC3946
R-OUT-1
C6F1
D6A1
EQA02-10C
/RD11EB1
R6A7
220
1/2W
R6B1
560
R6D1
68
R6D4
560
1W
C6B1
J-22
SL
C6B4
J-68
CH
Q6B7
2SC3953-E,F
R-DRIVE
R6E7
820
1W
R6F1
100
R6B7
10K
R6B4
10K
Q6A4
2SC2603-E,F
2SC2785-H,F,E
R-SW
C6B7
SL
R6G4
180
1W
R6H1
22
C6E1
J-100
SL
LC6A3
NFV510-655
R
NC
G
B
RGBH
TO PCB
RGB
RP
C6D2
500V
K-4700
C6D5
350V
10μ
R6F5
68K
1W
L6A2
2.2μH
Q6A2
2SC3468-D
G-AMP-1
R6A5
390
1/2W
R6D8
220
1/2W
C6C5
100V
100μ
C6C8
500V
K-4700
LC6A4
NFV510-655
Q6A8
2SA1371-D
G-AMP-2
R6G2
100
R6G8
1.8K
1/2W
R6A2
47
R6C2
33
R6L5
47
C6C2
50V
10μ
R6F8
4.7K
1/2W
C6D8
Z-.01
Q6B5
2SC3946
G-OUT-1
C6F2
R6M5
1K
Q6B2
2SC3953-E,F
G-BUFFER
D6A2
EQA02-10C
RD11EB1
R6A8
220
R6B2
560
R6D2
68
R6D5
560
1W
LC6A5
NFV510-655
C6B2
J-22
SL
C6B5
J-68
CH
Q6B8
2SC3953-E,F
G-DRIVE
R6E8
820
1W
R6F2
100
R6B8
10K
R6B5
10K
Q6A5
2SC2603-E,F
2SC2785-H,F,E
G-SW
C6B8
SL
R6G5
180
1W
R6H2
22
C6E2
J-100
SL
C6D3
500V
K-4700
C6D6
350V
10μ
R6F6
68K
1W
L6A3
2.2μH
R6A6
390
1/2W
R6D9
220
1/2W
C6C6
100V
100μ
C6C9
500V
K-4700
Q6A9
2SA1371-D
B-AMP-2
R6G3
100
182V
R6G9
00HM
23.8V
23.7V
R6A3
47
R6C3
33
R6L6
47
C6C3
50V
10μ
R6F9
4.7K
1/2W
C6D9
Z-.01
Q6B6
2SC3946
B-OUT-1
C6F3
R6M6
1K
Q6A3
2SC3468-D
B-AMP-1
Q6B3
2SC3953-E,F
B-BUFFER
D6A3
EQA02-10C
RD11EB1
R6A9
220
R6B3
820
R6D3
68
R6D6
560
1W
C6B3
J-22
SL
C6B6
J-68
CH
4.4V
Q6B9
2SC3953-E,F
B-DRIVE
R6E9
820
1W
R6F3
100
R6B9
10K
R6B6
10K
Q6A6
2SC2603-E,F
2SC2785-H,F,E
B-SW
C6B9
SL
R6G6
180
1W
R6H3
22
C6E3
J-100
SL


VIDEO AMP PCB
CRT-PCB
230V
L6A7
L6B6 FX08-160MH02
R6K4 220 (MB) 2W
R6H7 100K
Q6C1 2SC3789 -C,D R-OUT-2
L6A4 4.7μH
R6H4 2.7K 10W
L6A1 2.2μH
R6G7 1.8K 1/2W
R6G1 100
Q6B4 2SC3946 R-OUT-1
Q6B7 2SC3953-E,F R-DRIVE
R6F1 100
R6F4 68K (MB) 1W
R6F7 4.7K 1/2W
C6D7 Z-.01
D6A1 EQA02-10C /RD11EB1
C6D1 500V K-4700
C6D4 350V 10μ
C6A3 350V 22μ
C6C7 500V K-4700
C6C1 50V 10μ
C6F1
C6B7 SL
R6G4 180 1W (MB)
R6H1 22
C6E1 J-100 SL
R6K1 220 Ⓢ
C6E4 50V 10μ 105°C
D6A4 1S2076A 1S2471
Q6C4 2SA1480-D R-OUT-3
R6L7 22 (MB) 1W
R6H1 22 (MB) 1W
R6K7 330 (MB) 2W
C6E7 500V K-470P
R6L1 1M
TP47R
㊴
R
L6A8
R6K5 220 (MB) 2W
R6H8 100K
Q6C2 2SC3789 -C,D G-OUT-2
L6A5 4.7μH
R6H5 2.7K 10W
L6A2 2.2μH
R6G8 1.8K 1/2W
R6G2 100
Q6B5 2SC3946 G-OUT-1
Q6B8 2SC3953-E,F G-DRIVE
R6F2 100
R6F5 68K (MB) 1W
R6F8 4.7K 1/2W
C6D8 Z-.01
D6A2 EQA02-10C RD11EB1
C6D2 500V K-4700
C6D5 350V 10μ
C6C8 500V K-4700
C6C2 50V 10μ
C6F2
C6B8 SL
R6G5 180 1W (MB)
R6H2 22
C6E2 J-100 SL
R6K2 220 Ⓢ
C6E5 50V 10μ 105°C
D6A5 1S2076A 1S2471
Q6C5 2SA1480-D G-OUT-3
R6L8 22 (MB) 1W
R6H2 22 (MB) 1W
R6K8 330 (MB) 2W
C6E8 500V K-470P
R6L2 1M
TP47G
㊵
G
L6A9
R6K6 220 (MB) 2W
R6H9 100K
Q6C3 2SC3789 -C,D B-OUT-2
L6A6 4.7μH
R6H6 2.7K 10W
L6A3 2.2μH
R6G9 0OHM
R6G3 100
182V
23.8V
23.7V
142.9V
4.4V
Q6B6 2SC3946 B-OUT-1
Q6B9 2SC3953-E,F B-DRIVE
R6F3 100
R6F6 68K (MB) 1W
R6F9 4.7K 1/2W
C6D9 Z-.01
D6A3 EQA02-10C RD11EB1
C6D3 500V K-4700
C6D6 350V 10μ
C6C9 500V K-4700
C6C3 50V 10μ
C6F3
C6B9 SL
R6G6 180 1W (MB)
R6H3 22
C6E3 J-100 SL
R6K3 220 Ⓢ
C6E6 50V 10μ 105°C
D6A6 1S2076A 1S2471
Q6C6 2SA1480-D B-OUT-3
R6L9 22 (MB) 1W
R6H3 22 (MB) 1W
R6K9 330 (MB) 2W
C6E9 500V K-470P
R6L3 1M
TP47B
㊶
B
CA
CB
CC
CD
R-CRT CUT-OFF
VR6C1 B-50K
R6P4 100K
EB
TO HV-GND
SA
R6Q6 J-47K
Q6K1 2SA1371-D R-CUT-OFF
R6P1 330K
D6D1 TVR1G
C6K7 350V 1μ
AG6C1 DSA-441LA
C6L4 500V K-2200
C6K1 500V K-4700
R6P7 220 1/2W Ⓢ
C6K4 250V .47μ
D6D4 SS500D EM-1Z ERB12-02RK
G-CRT CUT-OFF
VR6C2 B-50K
R6P5 100K
R6Q7 J-47K
Q6K2 2SA1371-D G-CUT-OFF
R6P2 330K
D6D2 TVR1G
C6K8 350V 1μ
D6D5 SS500D EM-1Z ERB12-02RK
C6K2 500V K-4700P
R6P8 220 1/2W Ⓢ
TP4K
AG6C2 DSA-441LA
C6K5 250V .47μ
B-CRT CUT-OFF
VR6C3 B-50K
R6P6 100K
R6Q8 J-47K
Q6K3 2SA1371-D B-CUT-OFF
R6P3 330K
D6D3 TVR1G
C6K9 350V 1μ
C6K3 500V K-4700
R6P9 220 1/2W Ⓢ
C6K6 250V .47μ
D6D6 SS500D EM-1Z ERB12-02RK
AG6C3 DSA-441LA
R6Q4 180K Ⓢ 1/2W
R6Q3 2.2K 1/2W Ⓢ
C6L3 500V 4700
R6Q5 12K 1/2W
C6L5 Z-.01
A89JVU81X
R G B
C6L1 2KV 1000
C6L2 2KV 1000
R6Q1 K-2.2 2W
R6Q2 47K
LC6D1 DSS310-55
DL
TC PCB DEFL
GC
TO PCB POWER-3

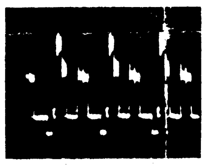

㊴136Vp-p(H)


㊵140Vp-p(H)

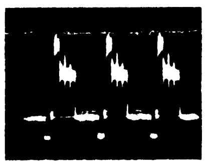

㊶150Vp-p(H)



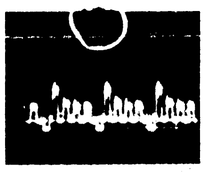
AMP PCB
CRT-PCB
230V
L6A7
L6A8
L6A9
L6B6
FK0B-160MH02
R6H7 100K
R6K4 220 (MB) 2W
Q6C1 2SC3789 -C,D R-OUT-2
C6E7 500V K-470P
R6L7 22 (MB) 1W
D6A4 1S2076A 1S2471
R6M1 22 (MB) 1W
R6L1 1M
Q6C4 2SA1480-D R-OUT-3
R6K7 330 (MB) 2W
TP47R
TP47G
TP47B
39
40
41
R
G
B
R6H8 100K
R6K5 220 (MB) 2W
Q6C2 2SC3789 -C,D G-OUT-2
C6E8 500V K-470P
R6L8 22 (MB) 1W
D6A5 1S2076A 1S2471
R6M2 22 (MB) 1W
R6L2 1M
Q6C5 2SA1480-D G-OUT-3
R6K8 330 (MB) 2W
R6H9 100K
R6K6 220 (MB) 2W
Q6C3 2SC3789 -C,D B-OUT-2
142.9V
C6E9 500V K-470P
R6L9 22 (MB) 1W
D6A6 1S2076A 1S2471
R6M3 22 (MB) 1W
R6L3 1M
Q6C6 2SA1480-D B-OUT-3
R6K9 330 (MB) 2W
CA
CB
CC
CD
R-CRT CUT-OFF
VR601 B-50K
R6P4 100K
R606 J-47K
Q6K1 2SA1371-D R-CUT-OFF
R6P1 330K
D6D1 TVR1G
C6K7 350V 1μ
C6L4 500V K-2200
C6K1 500V K-4700
R6P7 220 1/2W (S)
C6K4 250V .47μ
D6D4 SS500D EM-1Z ERB12-02RK
G-CRT CUT-OFF
VR602 B-50K
R6P5 100K
R607 J-47K
Q6K2 2SA1371-D G-CUT-OFF
R6P2 330K
D6D2 TVR1G
C6K8 350V 1μ
D6D5 SS500D EM-1Z ERB12-02RK
C6K2 500V K-4700P
R6P8 220 1/2W (S)
TP4K
AG6C2 DSA-441LA
C6K5 250V .47μ
B-CRT CUT-OFF
VR603 B-50K
R6P6 100K
R608 J-47K
Q6K3 2SA1371-D B-CUT-OFF
R6P3 330K
D6D3 TVR1G
C6K9 350V 1μ
C6K3 500V K-4700
R6P9 220 1/2W (S)
AG6C3 DSA-441LA
C6K6 250V .47μ
D6D6 SS500D EM-1Z ERB12-02RK
R604 180K 1/2W (S)
R603 2.2K 1/2W (S)
C6L3 500V 4700
R605 12K 1/2W
C6L5 Z.01
EB
TO HV-GND
SA
AG6C1 DSA-441LA
A89JVU81X
R
G
B
C6L1 2KV 1000
C6L2 2KV 1000
R6Q1 K-2.2 2W
R6Q2 47K
LC601 DSS310-55
DL
TO PCB DEFL
GC
TO PCB POWER-3



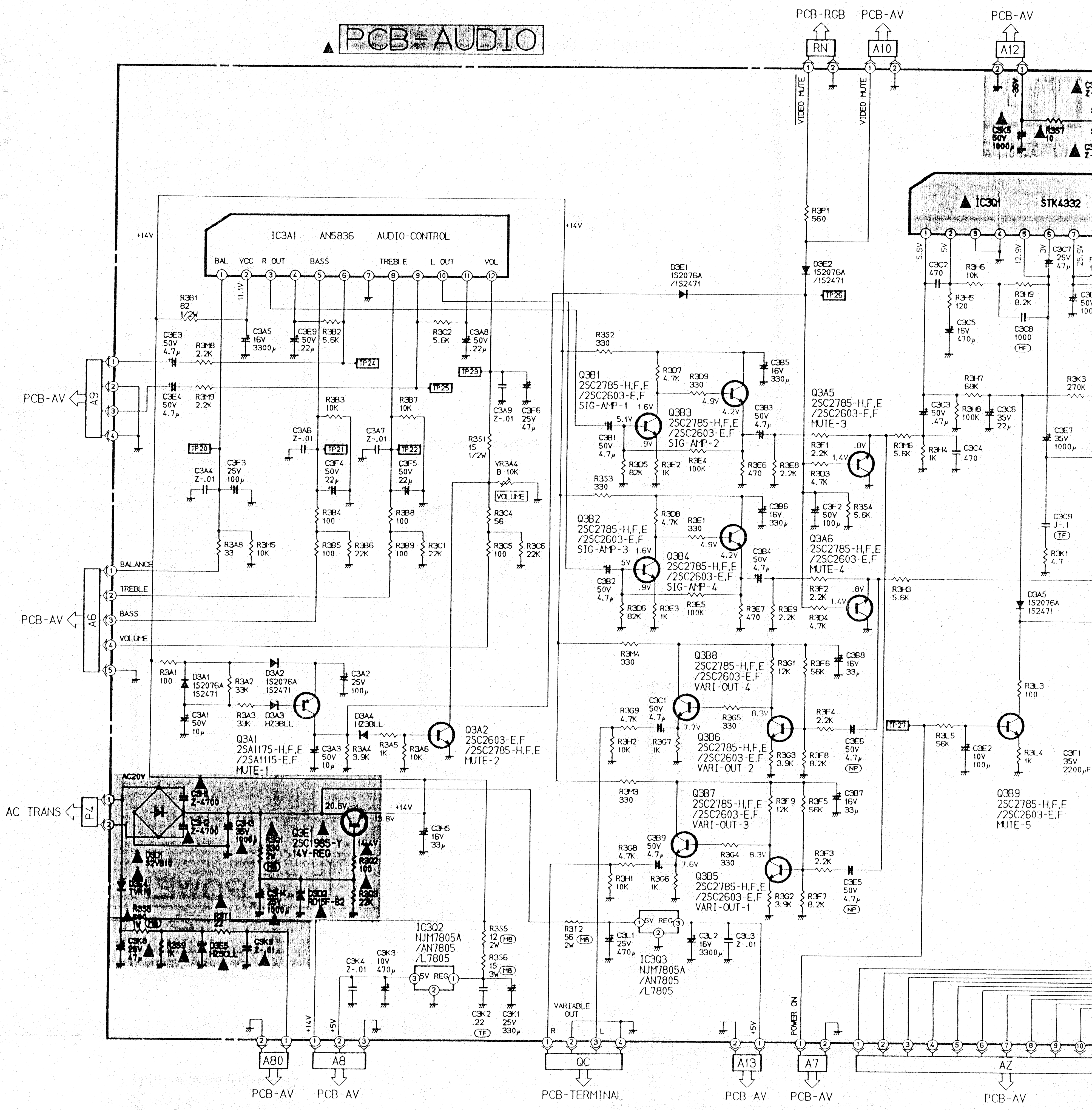
㊴136Vp-p(H)

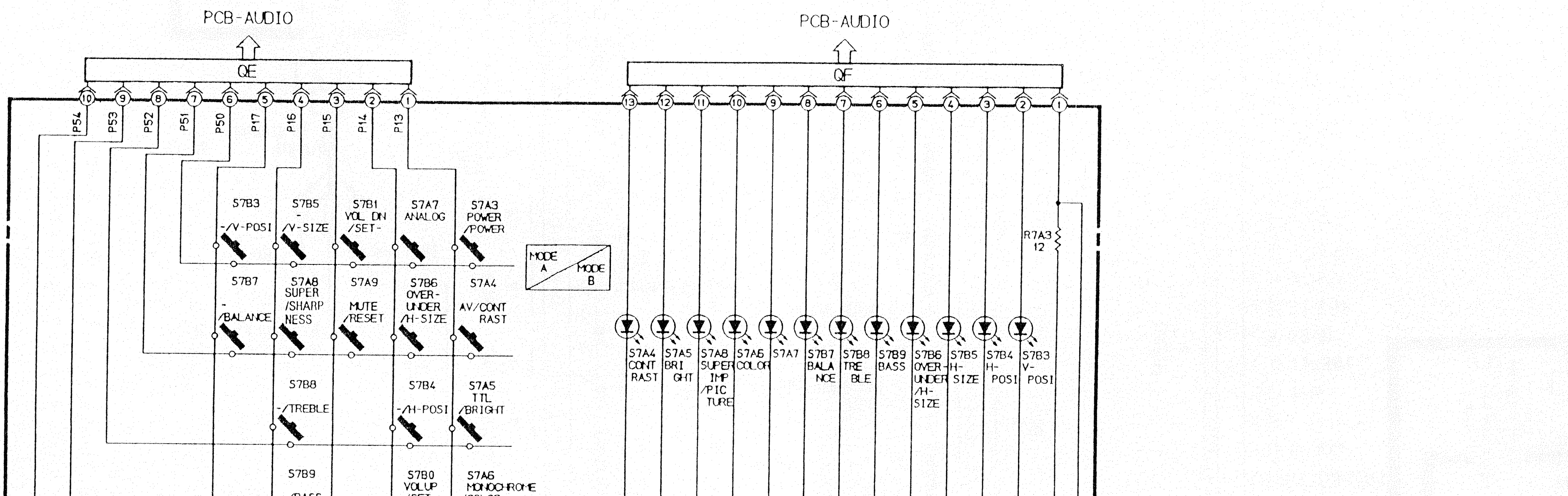


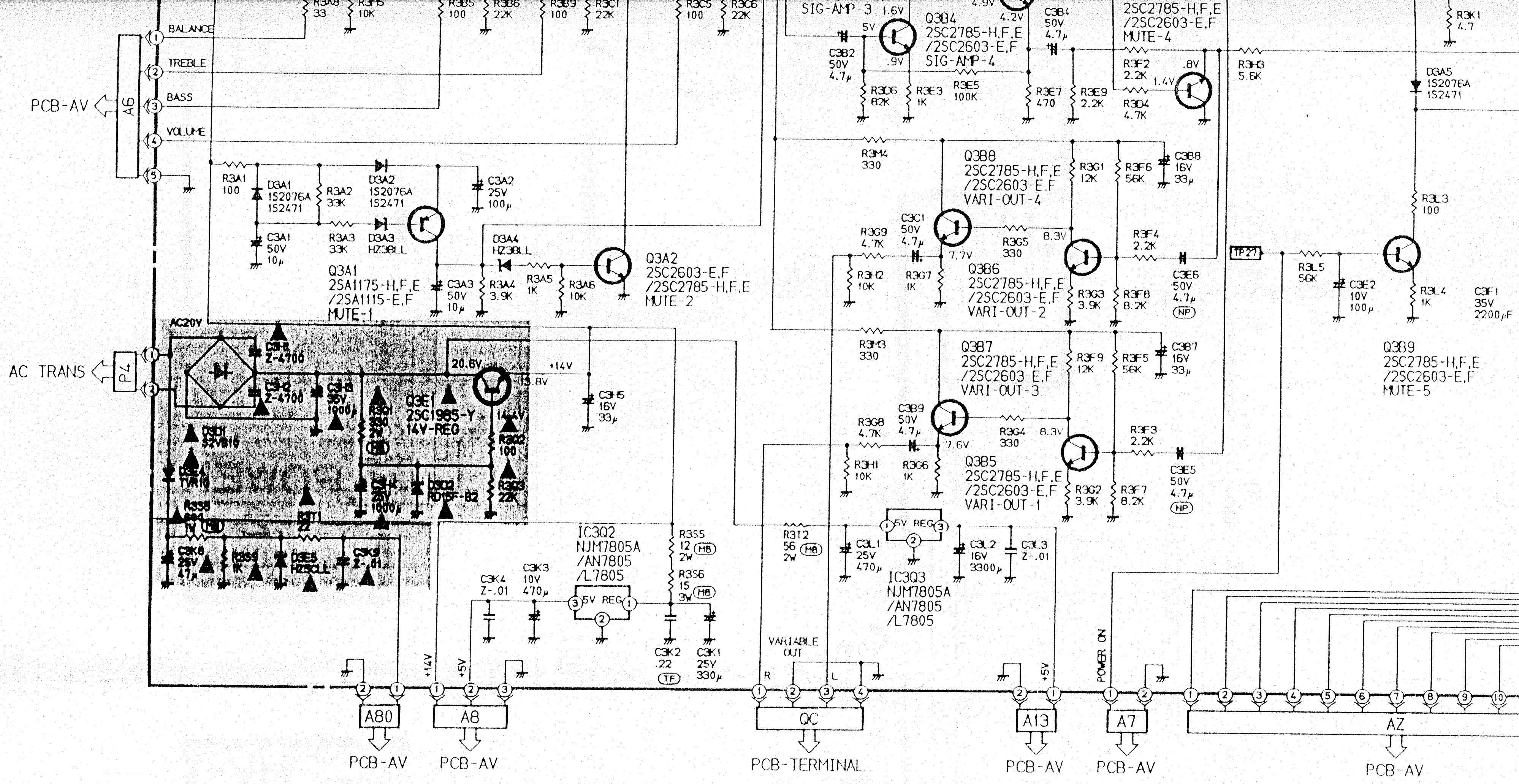
㊵140Vp-p(H)

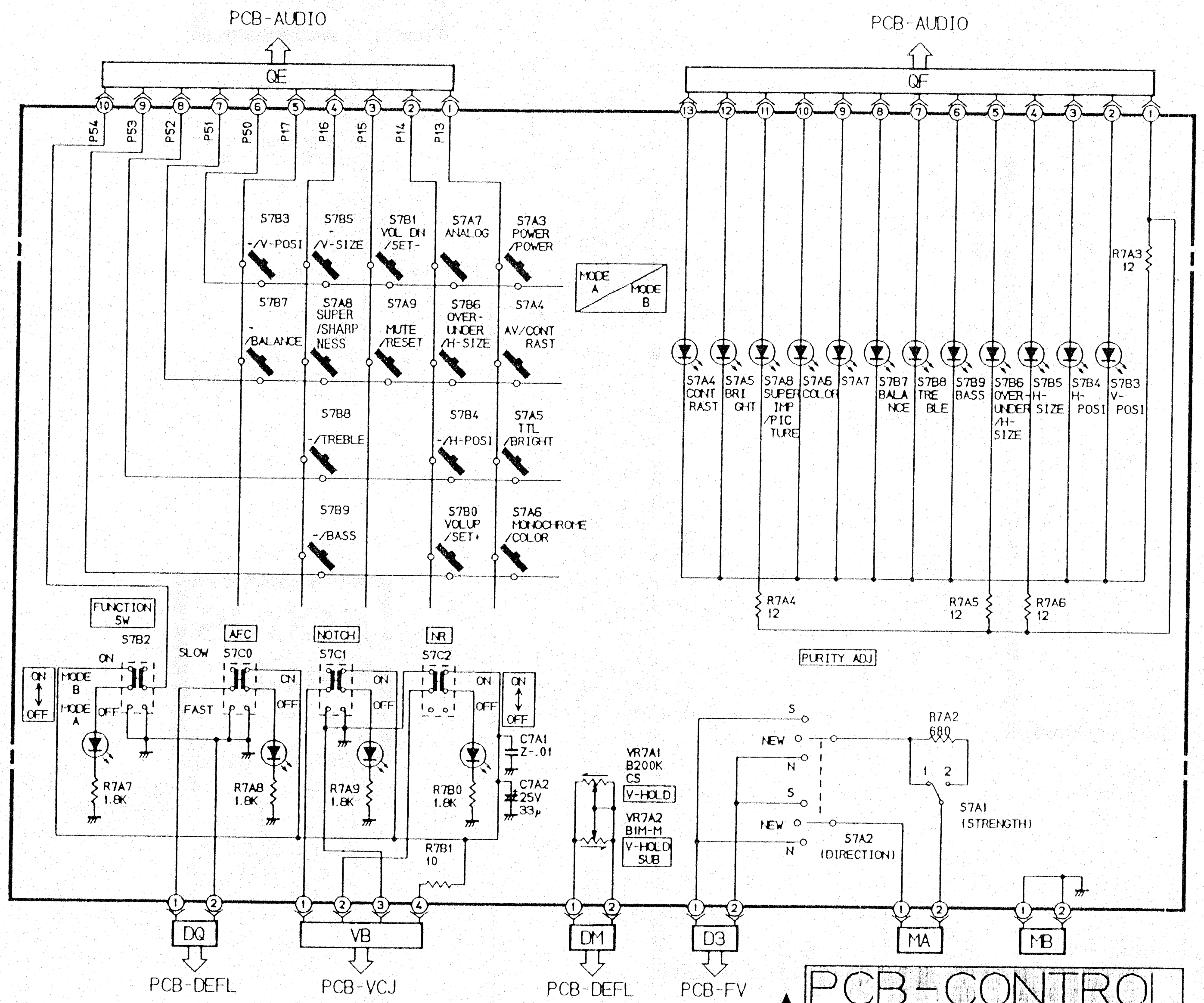


㊶150Vp-p(H)

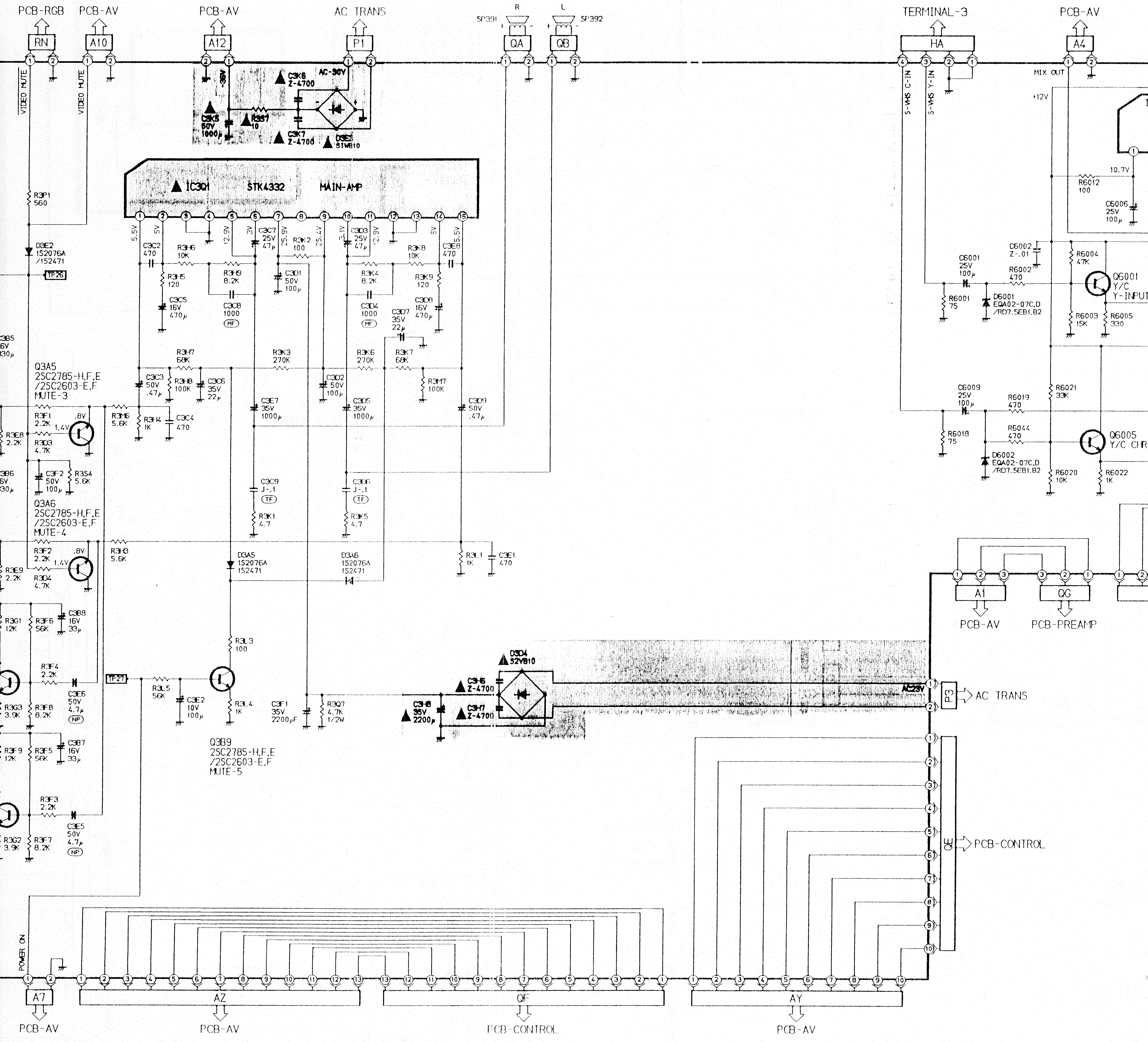

PCB-AUDIO
PCB-RGB
PCB-AV
RN
A10
A12
VIDEO MUTE
IC3A1 AN5836 AUDIO-CONTROL
BAL. VCC R OUT BASS TREBLE L OUT VOL
+14V
IC3Q1 STK4332
R3P1 560
D3E1 1S2076A /1S2471
D3E2 1S2076A /1S2471
TP26
Q3B1 2SC2785-H,F,E /2SC2603-E,F SIG-AMP-1
Q3B3 2SC2785-H,F,E /2SC2603-E,F SIG-AMP-2
Q3B2 2SC2785-H,F,E /2SC2603-E,F SIG-AMP-3
Q3B4 2SC2785-H,F,E /2SC2603-E,F SIG-AMP-4
Q3A5 2SC2785-H,F,E /2SC2603-E,F MUTE-3
Q3A6 2SC2785-H,F,E /2SC2603-E,F MUTE-4
Q3B8 2SC2785-H,F,E /2SC2603-E,F VARI-OUT-4
Q3B6 2SC2785-H,F,E /2SC2603-E,F VARI-OUT-2
Q3B7 2SC2785-H,F,E /2SC2603-E,F VARI-OUT-3
Q3B5 2SC2785-H,F,E /2SC2603-E,F VARI-OUT-1
Q3B9 2SC2785-H,F,E /2SC2603-E,F MUTE-5
Q3A1 2SA1175-H,F,E /2SA1115-E,F MUTE-1
Q3A2 2SC2603-E,F /2SC2785-H,F,E MUTE-2
Q3E1 2SC1985-Y 14V-REG
IC3Q2 NJM7805A /AN7805 /L7805
IC3Q3 NJM7805A /AN7805 /L7805
5V REG
VR3A4 B-10K
VOLUME
PCB-AV A9
PCB-AV A6
BALANCE
TREBLE
BASS
VOLUME
AC TRANS P4
AC20V
20.8V
VARIABLE OUT
R L
A80 PCB-AV
A8 PCB-AV
QC PCB-TERMINAL
A13 PCB-AV
A7 PCB-AV
POWER ON
AZ PCB-AV
+5V
TP20 TP21 TP22 TP23 TP24 TP25 TP27


PCB-AUDIO
QE
PCB-AUDIO
QF
P54 P53 P52 P51 P50 P17 P16 P15 P14 P13
S7B3 -/V-POSI
S7B5 -/V-SIZE
S7B1 VOL DN /SET-
S7A7 ANALOG
S7A3 POWER /POWER
S7B7 -/BALANCE
S7A8 SUPER /SHARP NESS
S7A9 MUTE /RESET
S7B6 OVER-UNDER /H-SIZE
S7A4 AV/CONT RAST
MODE A / MODE B
S7B8 -/TREBLE
S7B4 -/H-POSI
S7A5 TTL /BRIGHT
S7B9
S7B0 VOLUP
S7A6 MONOCHROME
R7A3 12
S7A4 CONT RAST
S7A5 BRI GHT
S7A8 SUPER IMP /PIC TURE
S7A6 COLOR
S7A7
S7B7 BALA NCE
S7B8 TRE BLE
S7B9 BASS
S7B6 OVER-UNDER /H-SIZE
S7B5 V-SIZE
S7B4 H-POSI
S7B3 V-POSI

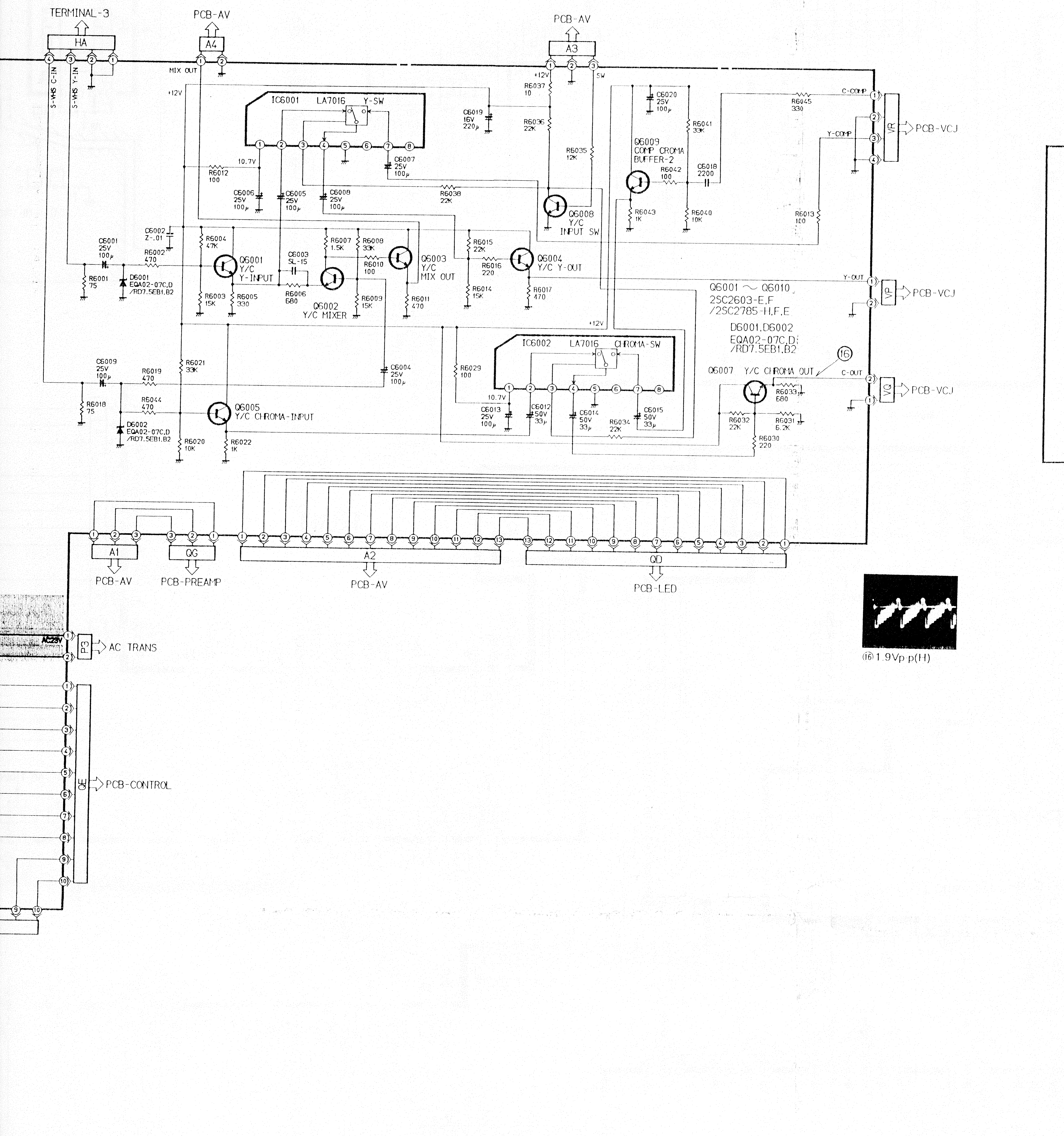

PCB-AV
A6
BALANCE
TREBLE
BASS
VOLUME
R3A1 100
D3A1 1S2076A 1S2471
R3A2 33K
D3A2 1S2076A 1S2471
C3A2 25V 100μ
C3A1 50V 10μ
R3A3 33K
D3A3 HZ3BLL
D3A4 HZ3BLL
Q3A1 2SA1175-H,F,E /2SA1115-E,F MUTE-1
C3A3 50V 10μ
R3A4 3.9K
R3A5 1K
R3A6 10K
Q3A2 2SC2603-E,F /2SC2785-H,F,E MUTE-2
AC TRANS
P4
AC20V
Q3E1 2SC1985-Y 14V-REG
20.8V
+14V
15.8V
C3H5 16V 33μ
IC3Q2 NJM7805A /AN7805 /L7805
5V REG
C3K4 Z-.01
C3K3 10V 470μ
R3S5 12 2W
R3S6 15 3W
C3K2 .22
C3K1 25V 330μ
A80
A8
+14V
+5V
PCB-AV
SIG-AMP-3
Q3B4 2SC2785-H,F,E /2SC2603-E,F SIG-AMP-4
C3B2 50V 4.7μ
R3D6 82K
R3E3 1K
R3E5 100K
C3B4 50V 4.7μ
R3E7 470
R3E9 2.2K
R3F2 2.2K
R3D4 4.7K
2SC2785-H,F,E /2SC2603-E,F MUTE-4
R3H3 5.6K
R3K1 4.7
D3A5 1S2076A 1S2471
R3M4 330
Q3B8 2SC2785-H,F,E /2SC2603-E,F VARI-OUT-4
R3G1 12K
R3F6 56K
C3B8 16V 33μ
C3C1 50V 4.7μ
R3G9 4.7K
R3G5 330
Q3B6 2SC2785-H,F,E /2SC2603-E,F VARI-OUT-2
R3F4 2.2K
C3E6 50V 4.7μ
R3H2 10K
R3G7 1K
R3G3 3.9K
R3F8 8.2K
TP27
R3L5 56K
C3E2 10V 100μ
R3L3 100
R3L4 1K
C3F1 35V 2200μF
Q3B9 2SC2785-H,F,E /2SC2603-E,F MUTE-5
R3M3 330
Q3B7 2SC2785-H,F,E /2SC2603-E,F VARI-OUT-3
R3F9 12K
R3F5 56K
C3B7 16V 33μ
C3B9 50V 4.7μ
R3G8 4.7K
R3G4 330
R3F3 2.2K
C3E5 50V 4.7μ
R3H1 10K
R3G6 1K
Q3B5 2SC2785-H,F,E /2SC2603-E,F VARI-OUT-1
R3G2 3.9K
R3F7 8.2K
R312 56 2W
C3L1 25V 470μ
C3L2 16V 3300μ
C3L3 Z-.01
IC3Q3 NJM7805A /AN7805 /L7805
VARIABLE OUT
QC
PCB-TERMINAL
A13
A7
POWER ON
AZ
PCB-AV

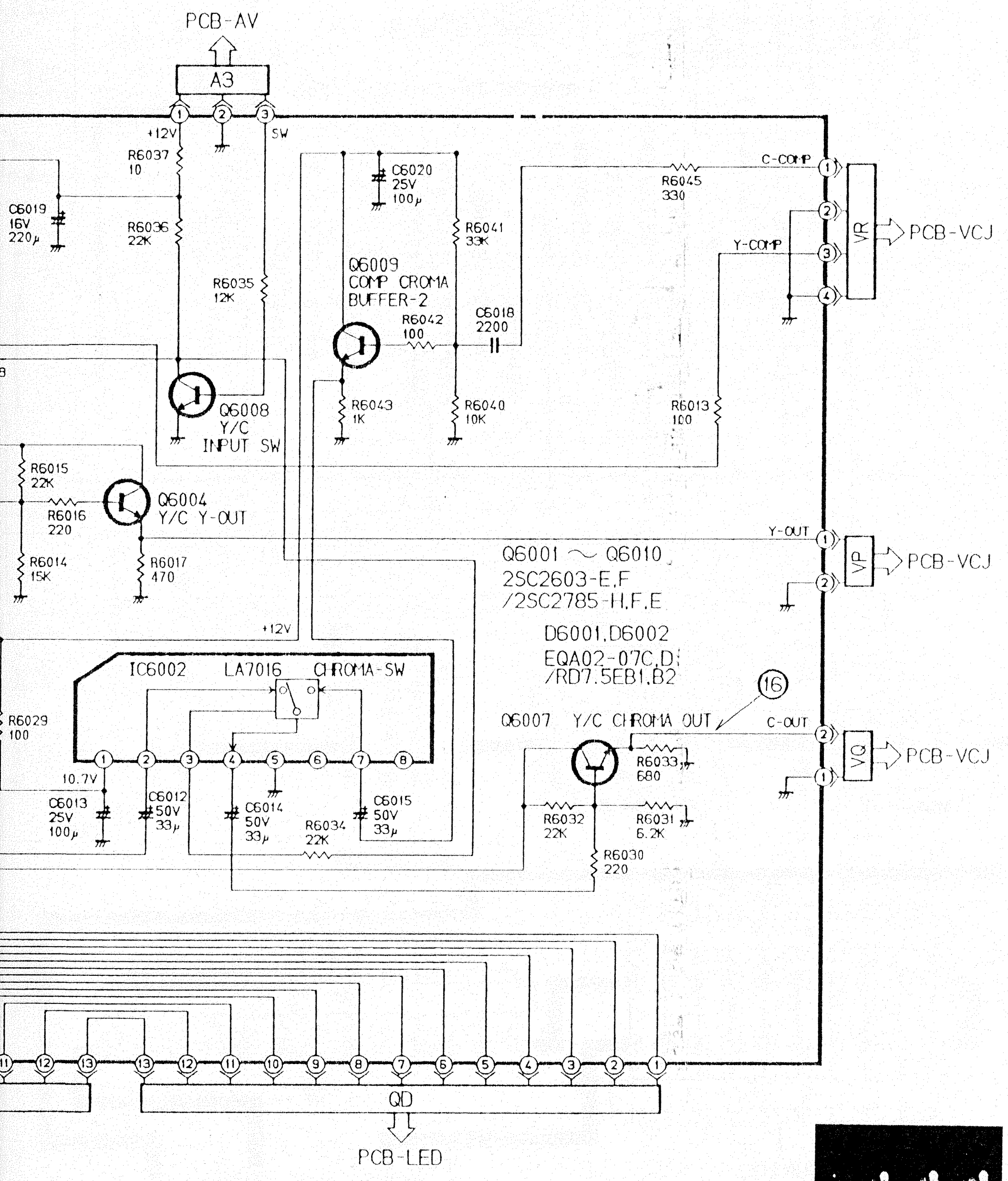

PCB-AUDIO
QE
P54
P53
P52
P51
P50
P17
P16
P15
P14
P13
S7B3 -/V-POSI
S7B5 -/V-SIZE
S7B1 VOL ON /SET-
S7A7 ANALOG
S7A3 POWER /POWER
MODE A
MODE B
S7B7 -/BALANCE
S7A8 SUPER /SHARP NESS
S7A9 MUTE /RESET
S7B6 OVER-UNDER /H-SIZE
S7A4 AV/CONT RAST
S7B8 -/TREBLE
S7B4 -/H-POSI
S7A5 TTL /BRIGHT
S7B9 -/BASS
S7B0 VOLUP /SET+
S7A6 MONOCHROME /COLOR
PCB-AUDIO
QF
R7A3 12
S7A4 CONT RAST
S7A5 BRI GHT
S7A8 SUPER IMP /PIC TURE
S7A6 COLOR
S7A7
S7B7 BALA NCE
S7B8 TRE BLE
S7B9 BASS
S7B6 OVER-UNDER /H-SIZE
S7B5 H-SIZE
S7B4 H-POSI
S7B3 V-POSI
R7A4 12
R7A5 12
R7A6 12
PURITY ADJ
FUNCTION SW
S7B2
ON
OFF
MODE B
MODE A
R7A7 1.8K
AFC
S7C0
SLOW
FAST
R7A8 1.8K
NOTCH
S7C1
R7A9 1.8K
NR
S7C2
R7B0 1.8K
C7A1 Z-.01
C7A2 25V 33μ
R7B1 10
VR7A1 B200K CS V-HOLD
VR7A2 B1M-M V-HOLD SUB
S
NEW
N
R7A2 680
S7A1 (STRENGTH)
S7A2 (DIRECTION)
DQ
PCB-DEFL
VB
PCB-VCJ
DM
PCB-DEFL
D3
PCB-FV
MA
MB

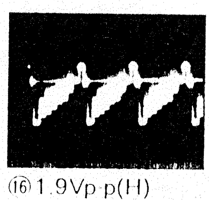
⚠ PCB-CONTROL

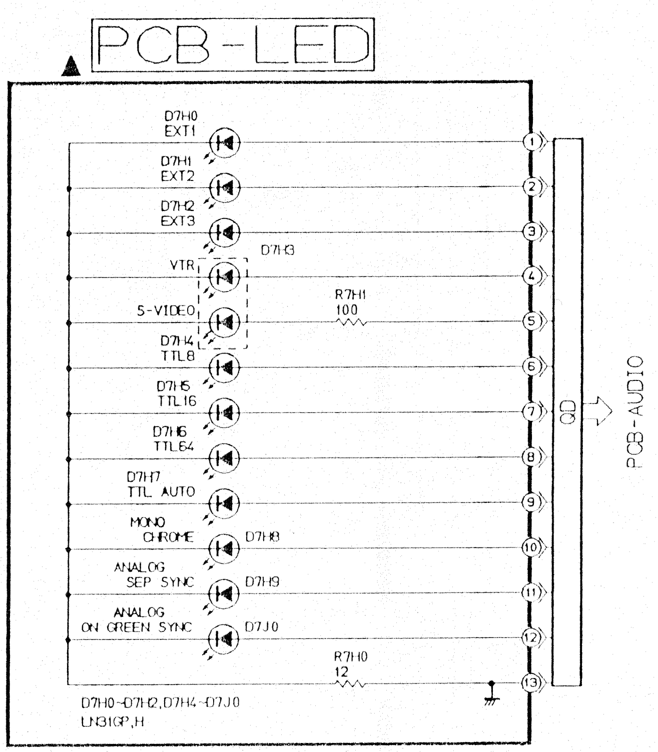


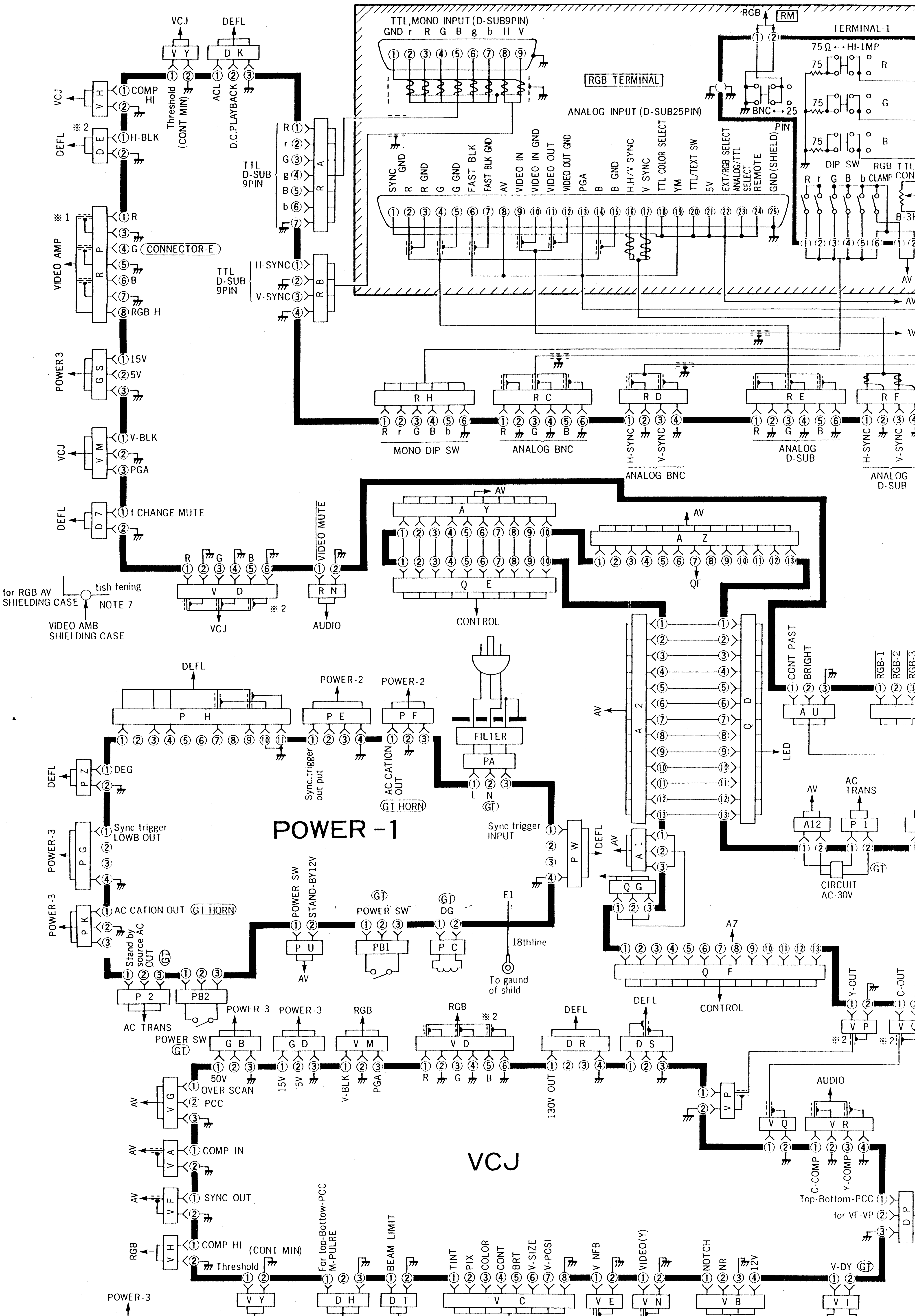
PCB-RGB
RN
PCB-AV
A10
PCB-AV
A12
AC TRANS
P1
SP391
R
QA
L
QB
SP392
TERMINAL-3
HA
PCB-AV
A4
VIDEO MUTE
VIDEO MUTE
-35V
C3K6
Z-4700
AC-30V
C3K5
50V
1000μ
R3S1
10
C3K7
Z-4700
D3E1
S1WB10
IC3D1
STK4332
MAIN-AMP
R3P1
560
D3E2
1S2076A
/1S2471
TP26
5.5V
5V
12.9V
3V
25.9V
25.4V
3.1V
12.9V
5V
55.5V
C3C2
470
R3H6
10K
C3C7
25V
47μ
R3K2
100
C3D3
25V
47μ
R3K8
10K
C3E8
470
R3H5
120
R3H9
8.2K
C3D1
50V
100μ
R3K4
8.2K
R3K9
120
C3C5
16V
470μ
C3C8
1000
HF
C3D4
1000
HF
C3D7
35V
22μ
C3D8
16V
470μ
R3H7
68K
R3K3
270K
R3K6
270K
R3K7
68K
C3C3
50V
.47μ
R3H8
100K
C3C6
35V
22μ
C3D2
50V
100μ
R3M7
100K
C3E7
35V
1000μ
C3D5
35V
1000μ
C3D9
50V
.47μ
Q3A5
2SC2785-H,F,E
/2SC2603-E,F
MUTE-3
R3M6
5.6K
R3H4
1K
C3C4
470
R3F1
2.2K
1.4V
.8V
R3E8
2.2K
R3D3
4.7K
C3F2
50V
100μ
R3S4
5.6K
Q3A6
2SC2785-H,F,E
/2SC2603-E,F
MUTE-4
C3C9
J-.1
TF
C3D6
J-.1
TF
R3K1
4.7
R3K5
4.7
R3F2
2.2K
1.4V
.8V
R3H3
5.6K
R3E9
2.2K
R3D4
4.7K
D3A5
1S2076A
1S2471
D3A6
1S2076A
1S2471
R3L1
1K
C3E1
470
R3G1
12K
R3F6
56K
C3B8
16V
33μ
R3L3
100
D3D4
S2VB10
R3F4
2.2K
TP27
R3L5
56K
C3E2
10V
100μ
R3L4
1K
C3F1
35V
2200μF
R3Q7
4.7K
1/2W
C3H5
Z-4700
C3H8
35V
2200μ
C3H7
Z-4700
AC23V
P3
AC TRANS
C3E6
50V
4.7μ
NP
R3G3
3.9K
R3F8
8.2K
Q3B9
2SC2785-H,F,E
/2SC2603-E,F
MUTE-5
R3F9
12K
R3F5
56K
C3B7
16V
33μ
R3F3
2.2K
C3E5
50V
4.7μ
NP
R3G2
3.9K
R3F7
8.2K
QE
PCB-CONTROL
POWER ON
A7
PCB-AV
AZ
PCB-AV
QF
PCB-CONTROL
AY
PCB-AV
A1
PCB-AV
QG
PCB-PREAMP
S-VHS C-IN
S-VHS Y-IN
MIX OUT
+12V
10.7V
R6012
100
C6006
25V
100μ
C6002
Z-.01
R6004
47K
C6001
25V
100μ
R6002
470
Q6001
Y/C
Y-INPUT
R6001
75
D6001
EQA02-07C,D
/RD7.5EB1,B2
R6003
15K
R6005
330
C6009
25V
100μ
R6019
470
R6021
33K
R6018
75
R6044
470
Q6005
Y/C CHR
D6002
EQA02-07C,D
/RD7.5EB1,B2
R6020
10K
R6022
1K

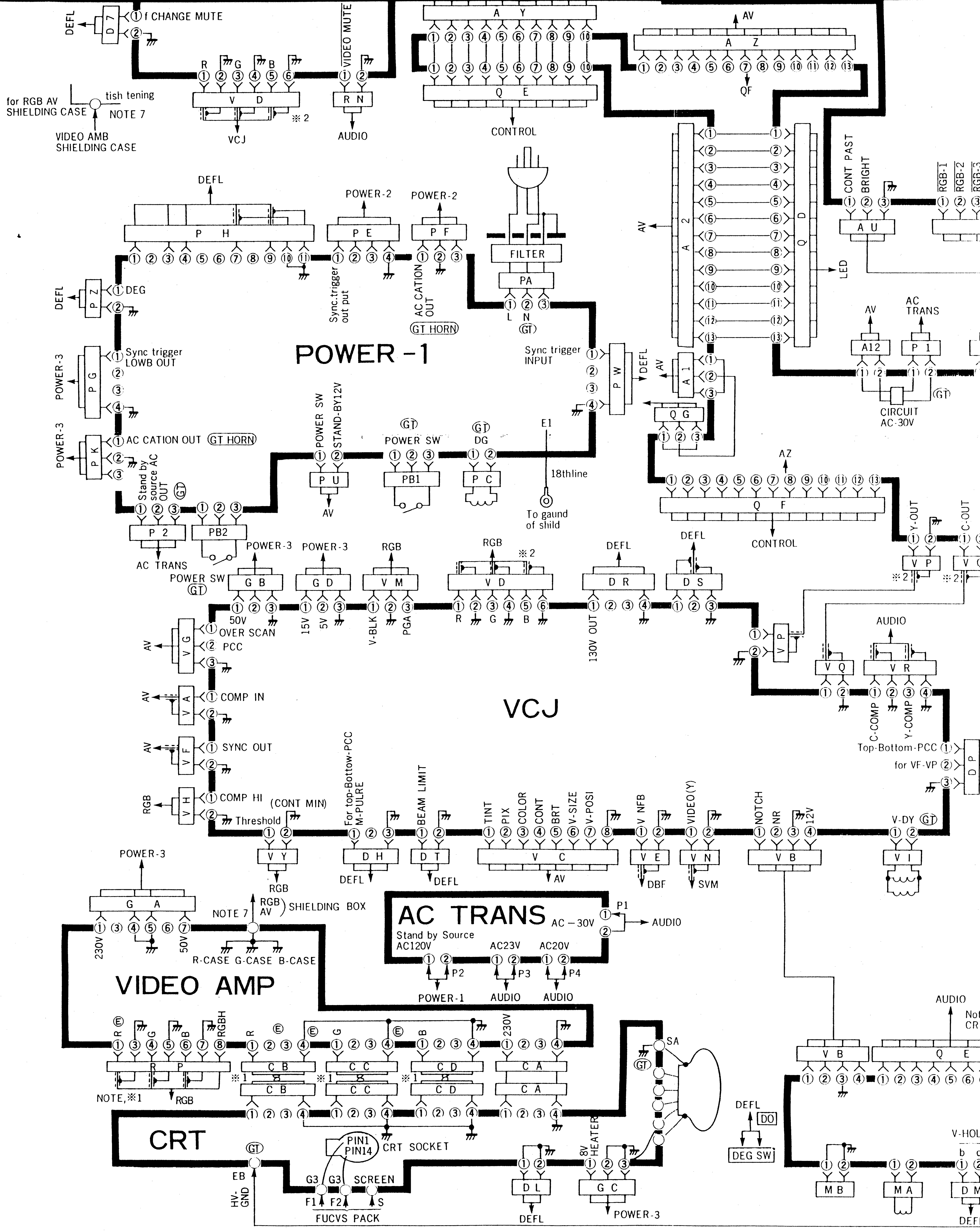

TERMINAL-3
HA
S-VHS C-IN
S-VHS Y-IN
PCB-AV
A4
MIX OUT
PCB-AV
A3
+12V
SW
+12V
IC6001 LA7016 Y-SW
R6037 10
C6019 16V 220μ
R6036 22K
R6035 12K
Q6008 Y/C INPUT SW
C6020 25V 100μ
R6041 33K
Q6009 COMP CROMA BUFFER-2
R6042 100
C6018 2200
R6043 1K
R6040 10K
R6045 330
C-COMP
Y-COMP
VR
PCB-VCJ
R6013 100
10.7V
R6012 100
C6006 25V 100μ
C6005 25V 100μ
C6008 25V 100μ
C6007 25V 100μ
R6038 22K
C6001 25V 100μ
C6002 Z-.01
R6002 470
R6001 75
D6001 EQA02-07C,D /RD7.5EB1,B2
R6004 47K
Q6001 Y/C Y-INPUT
R6003 15K
R6005 330
C6003 SL-15
R6006 680
Q6002 Y/C MIXER
R6007 1.5K
R6008 33K
R6010 100
R6009 15K
Q6003 Y/C MIX OUT
R6011 470
R6015 22K
R6016 220
R6014 15K
Q6004 Y/C Y-OUT
R6017 470
Y-OUT
VP
PCB-VCJ
Q6001 ~ Q6010
2SC2603-E,F
/2SC2785-H,F,E
D6001,D6002
EQA02-07C,D
/RD7.5EB1,B2
+12V
IC6002 LA7016 CHROMA-SW
R6029 100
10.7V
C6013 25V 100μ
C6012 50V 33μ
C6014 50V 33μ
R6034 22K
C6015 50V 33μ
Q6007 Y/C CHROMA OUT
⑯
C-OUT
R6033 680
R6032 22K
R6031 6.2K
R6030 220
VQ
PCB-VCJ
C6009 25V 100μ
R6019 470
R6018 75
R6021 33K
C6004 25V 100μ
R6044 470
Q6005 Y/C CHROMA-INPUT
D6002 EQA02-07C,D /RD7.5EB1,B2
R6020 10K
R6022 1K
A1
PCB-AV
QG
PCB-PREAMP
A2
PCB-AV
QD
PCB-LED
AC25V
P3
AC TRANS
QE
PCB-CONTROL
⑯ 1.9Vp-p(H)

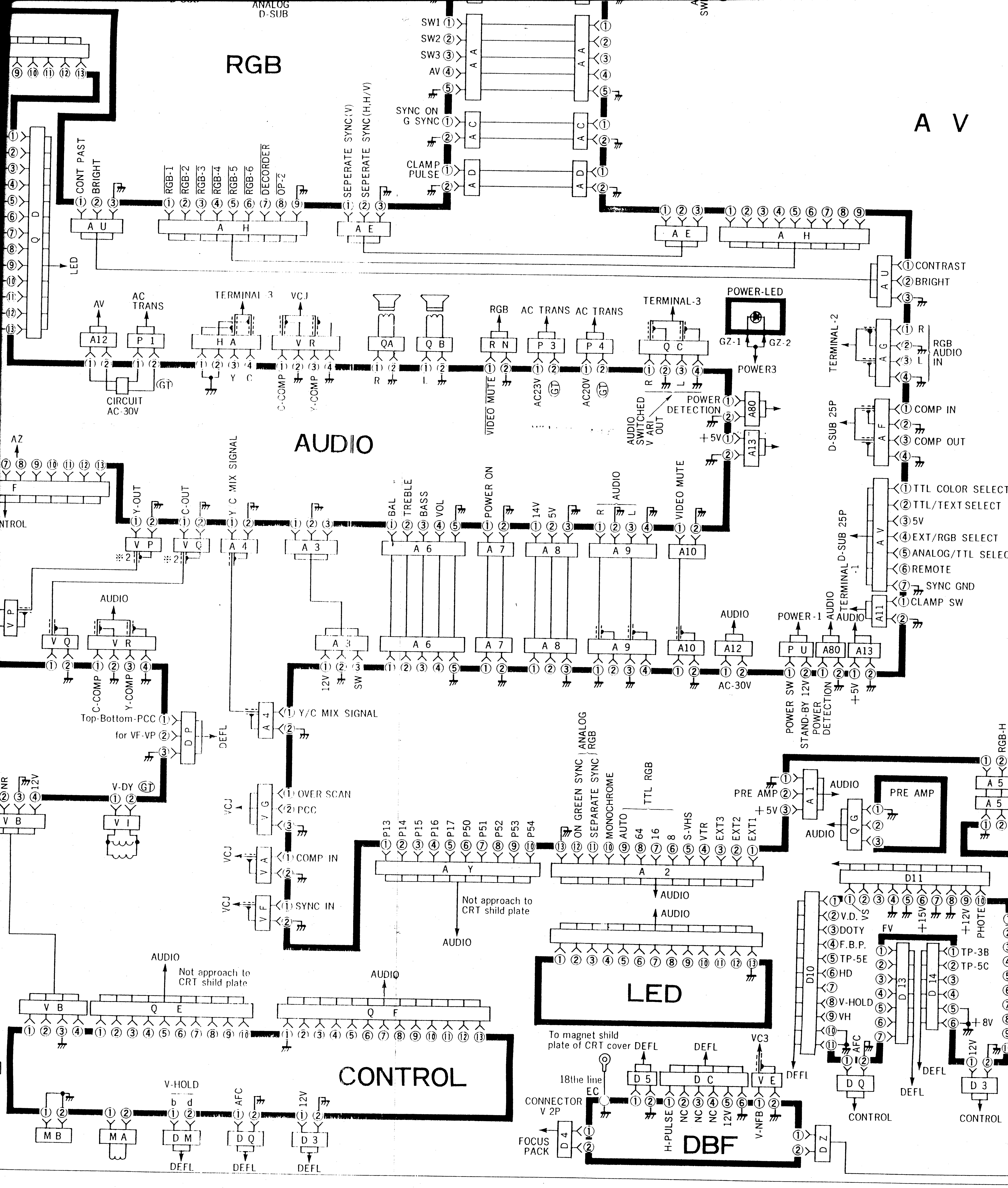

PCB-AV
A3
+12V
SW
R6037 10
C6019 16V 220μ
R6036 22K
R6035 12K
Q6008 Y/C INPUT SW
C6020 25V 100μ
Q6009 COMP CROMA BUFFER-2
R6042 100
R6043 1K
R6041 33K
C6018 2200
R6040 10K
R6045 330
C-COMP
Y-COMP
R6013 100
VR
PCB-VCJ
R6015 22K
R6016 220
Q6004 Y/C Y-OUT
R6014 15K
R6017 470
Y-OUT
VP
PCB-VCJ
Q6001 ~ Q6010
2SC2603-E,F
/2SC2785-H,F,E
D6001,D6002
EQA02-07C,D
/RD7.5EB1,B2
+12V
IC6002 LA7016 CHROMA-SW
R6029 100
10.7V
C6013 25V 100μ
C6012 50V 33μ
C6014 50V 33μ
R6034 22K
C6015 50V 33μ
⑯
Q6007 Y/C CHROMA OUT
R6033 680
R6032 22K
R6031 6.2K
R6030 220
C-OUT
VQ
PCB-VCJ
QD
PCB-LED

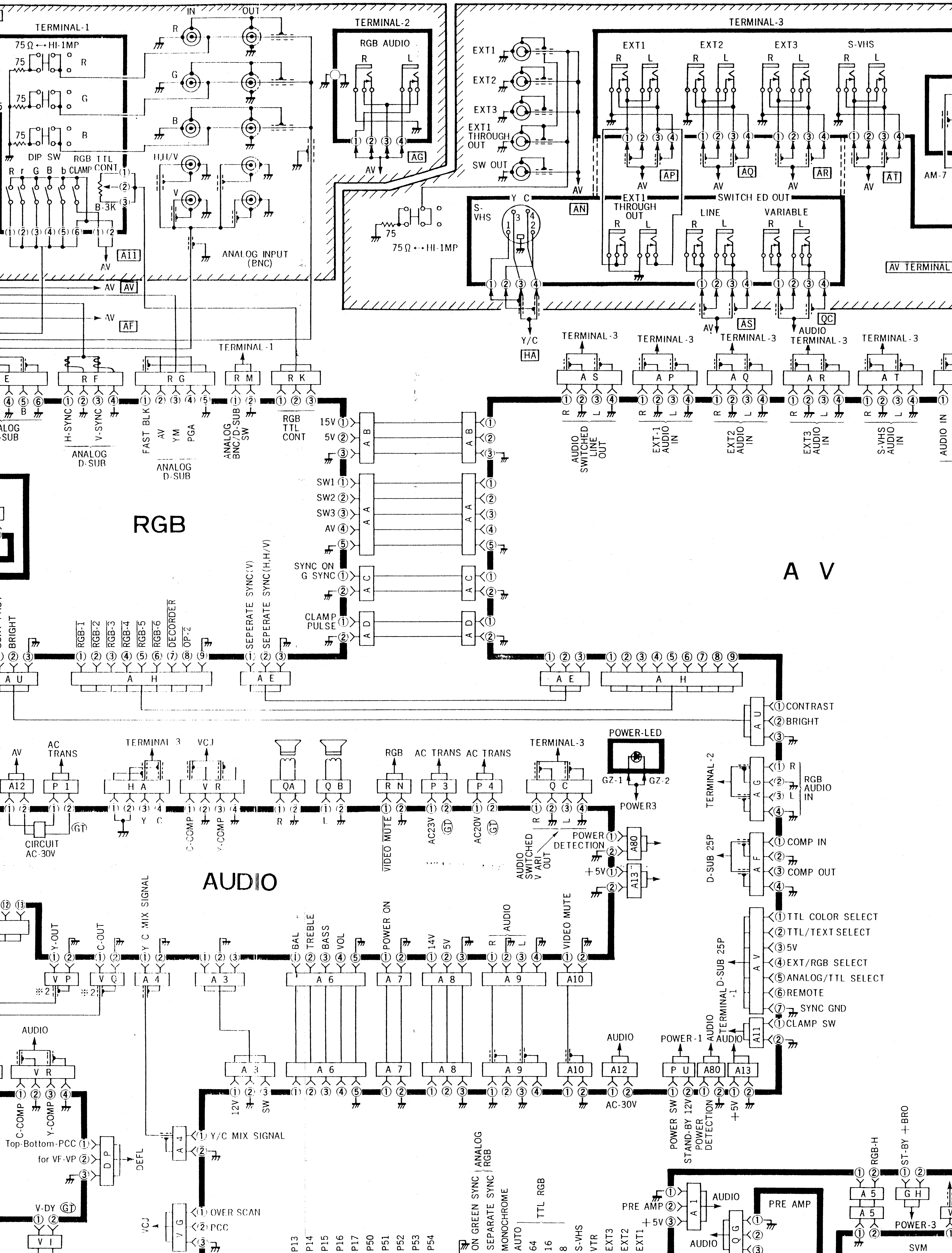

⑯ 1.9Vp-p(H)

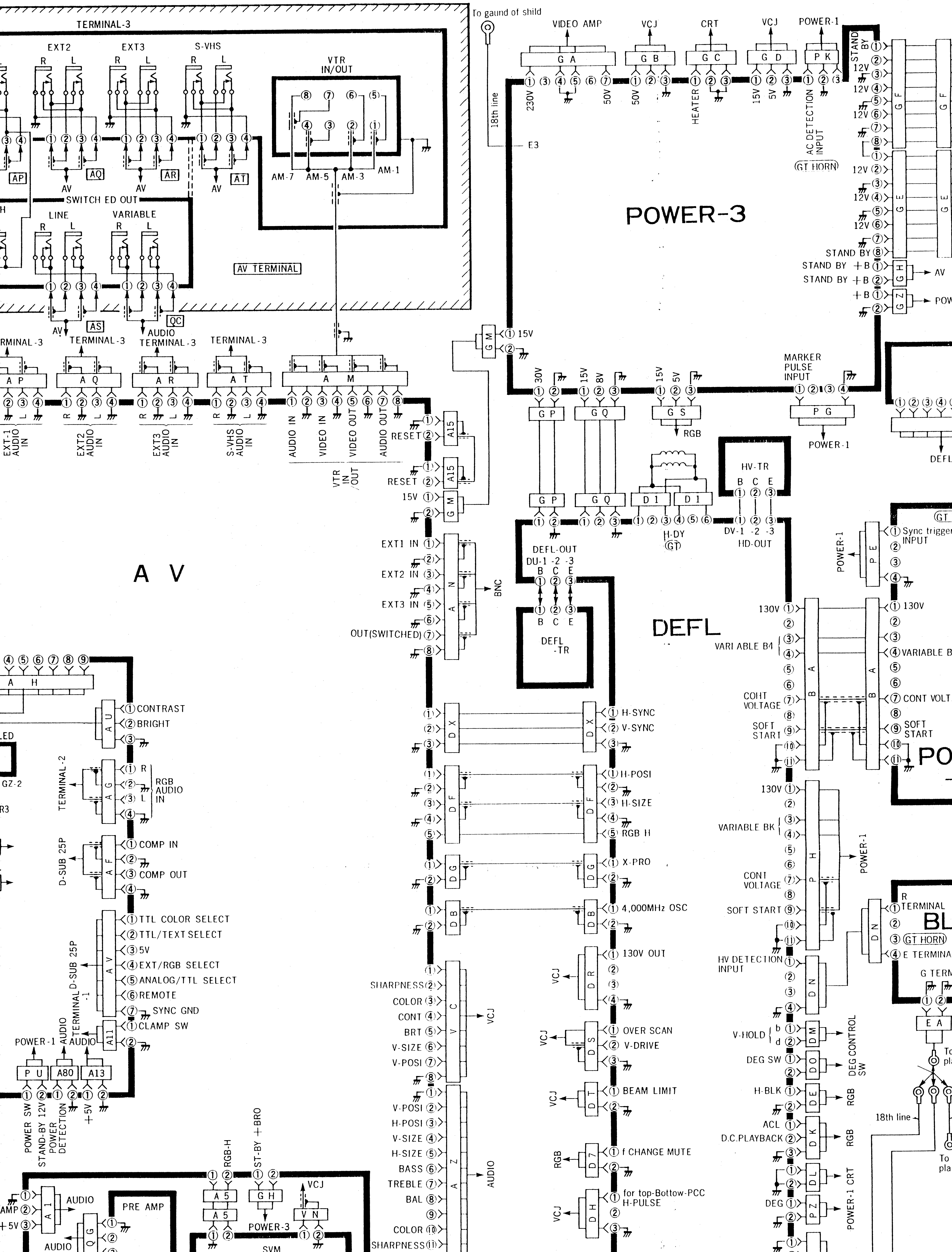

PCB-LED
D7H0 EXT1
D7H1 EXT2
D7H2 EXT3
VTR
D7H3
S-VIDEO
R7H1 100
D7H4 TTL8
D7H5 TTL16
D7H6 TTL64
D7H7 TTL AUTO
MONO CHROME
D7H8
ANALOG SEP SYNC
D7H9
ANALOG ON GREEN SYNC
D7J0
R7H0 12
D7H0-D7H2,D7H4-D7J0
LN31GP,H
QD
PCB-AUDIO

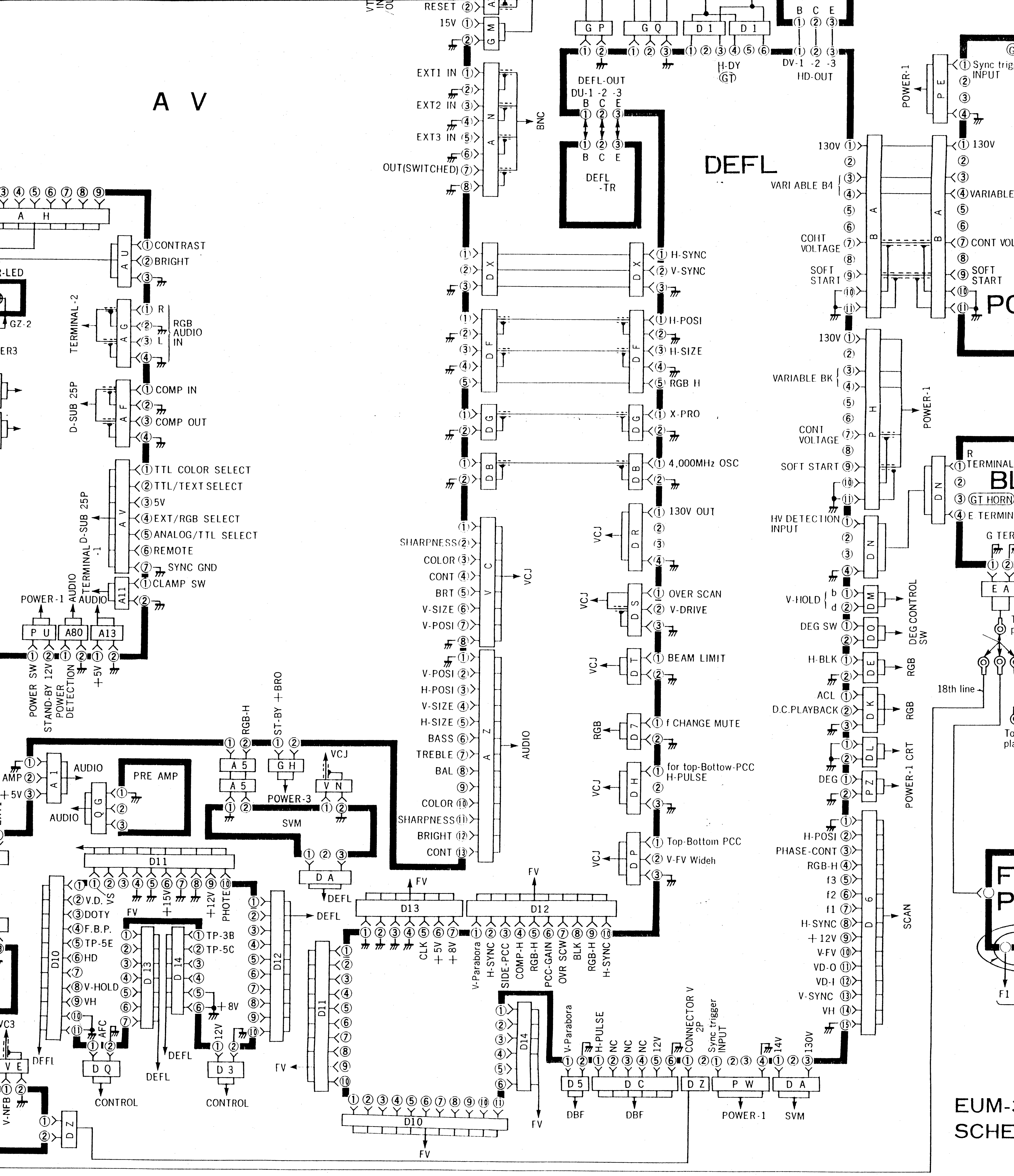

TTL,MONO INPUT (D-SUB9PIN)
GND r R G B g b H V
RGB TERMINAL
ANALOG INPUT (D-SUB25PIN)
SYNC GND
R
R GND
G
G GND
FAST BLK
FAST BLK GND
AV
VIDEO IN
VIDEO IN GND
VIDEO OUT
VIDEO OUT GND
PGA
B
B GND
H.H/V SYNC
V SYNC
TTL COLOR SELECT
YM
TTL/TEXT SW
5V
EXT/RGB SELECT
ANALOG/TTL SELECT
REMOTE
GND (SHIELD)
PIN
RGB
RM
TERMINAL-1
75Ω ↔ HI-1MP
BNC ↔ 25
DIP SW
RGB TTL CON
CLAMP
B-3H
VCJ
DEFL
V Y
D K
V H
COMP HI
Threshold (CONT MIN)
ACL
D.C.PLAYBACK
※2
D E
H-BLK
※1
VIDEO AMP
R P
CONNECTOR-E
RGB H
POWER3
G S
15V
5V
V M
V-BLK
PGA
D 7
f CHANGE MUTE
TTL D-SUB 9PIN
R A
R B
H-SYNC
V-SYNC
R H
MONO DIP SW
R C
ANALOG BNC
R D
R E
ANALOG D-SUB
R F
AV
A Y
A Z
Q E
QF
CONTROL
V D
VIDEO MUTE
R N
AUDIO
for RGB AV SHIELDING CASE
tish tening
NOTE 7
VIDEO AMB SHIELDING CASE
A 2
Q D
LED
CONT PAST
BRIGHT
A U
RGB-1
RGB-2
P H
POWER-2
P E
P F
Sync.trigger out put
AC CATION OUT
GT HORN
FILTER
PA
L N
GT
POWER-1
P Z
DEG
POWER-3
P G
Sync trigger LOWB OUT
P K
AC CATION OUT
Stand by source AC OUT
Sync trigger INPUT
P W
A 1
Q G
A12
P 1
AC TRANS
CIRCUIT AC-30V
POWER SW
STAND-BY12V
P U
PB1
DG
P C
E1
18thline
To gaund of shild
P 2
PB2
AC TRANS
POWER SW
AZ
Q F
Y-OUT
C-OUT
V P
G B
G D
V M
RGB
V D
D R
D S
50V
OVER SCAN
15V
5V
V-BLK
PGA
130V OUT
V G
PCC
V A
COMP IN
V F
SYNC OUT
VCJ
V Q
V R
C-COMP
Y-COMP
Top-Bottom-PCC
for VF-VP
D P
V H
COMP HI
Threshold
(CONT MIN)
For top-Bottow-PCC
M-PULRE
BEAM LIMIT
TINT
PIX
COLOR
CONT
BRT
V-SIZE
V-POSI
V NFB
VIDEO(Y)
NOTCH
NR
12V
V-DY
V Y
D H
D T
V C
V E
V N
V B
V I

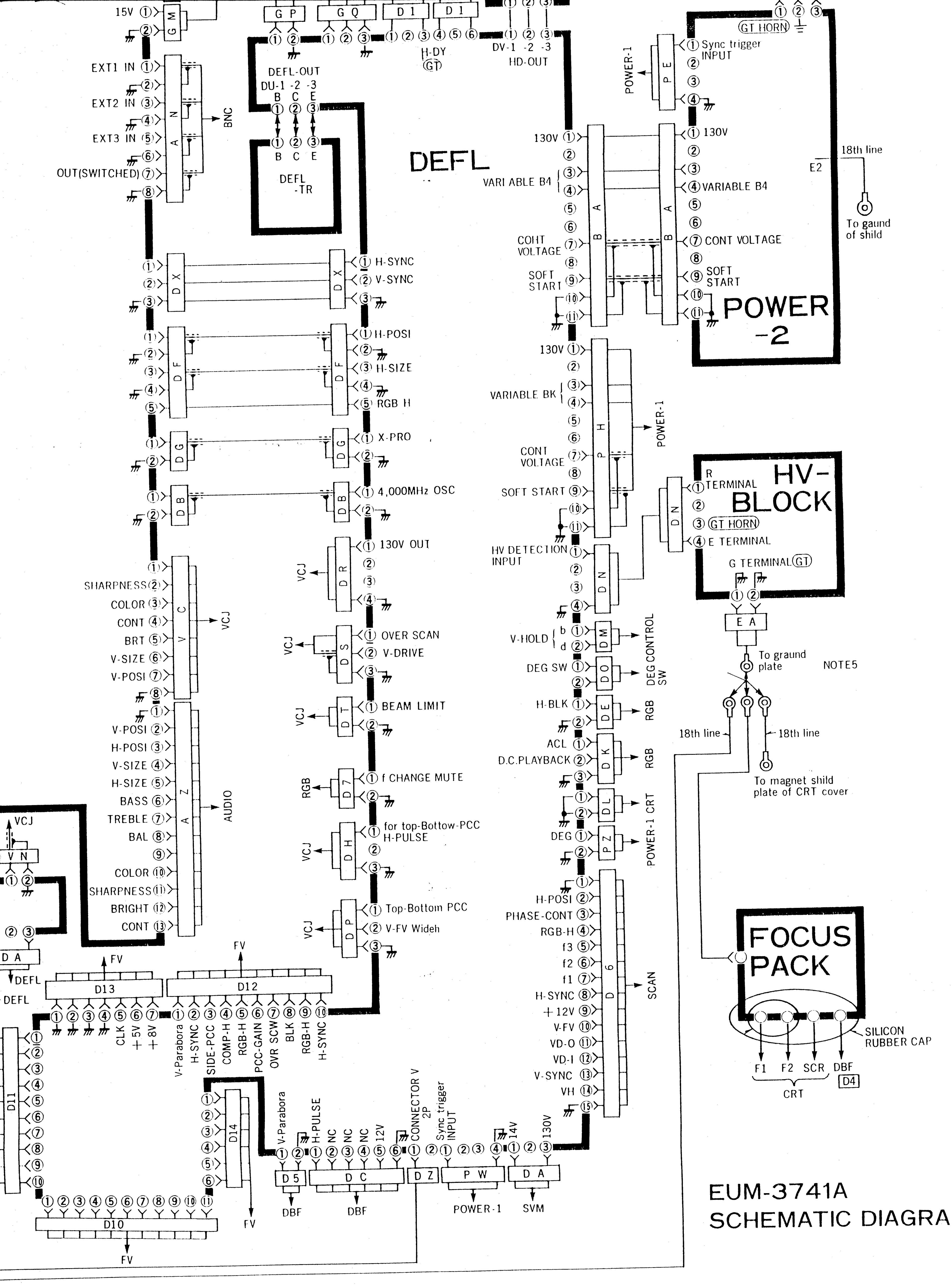

POWER -1
VCJ
VIDEO AMP
CRT
AC TRANS
DEFL
D 7
① f CHANGE MUTE
VIDEO MUTE
V D
R N
AUDIO
VCJ
※2
for RGB AV SHIELDING CASE
tish tening
NOTE 7
VIDEO AMB SHIELDING CASE
A Y
Q E
CONTROL
AV
A Z
QF
A 2
Q D
LED
CONT PAST
BRIGHT
A U
RGB-1
RGB-2
P H
P E
P F
POWER-2
FILTER
PA
L N
GT
Sync.trigger out put
AC CATION OUT
GT HORN
P Z
① DEG
P G
POWER-3
① Sync trigger LOWB OUT
P K
① AC CATION OUT
Stand by source AC OUT
P 2
PB2
AC TRANS
POWER SW
STAND-BY12V
P U
PB1
DG
P C
E1
18thline
To gaund of shild
Sync trigger INPUT
P W
A 1
Q G
A12
P 1
AC TRANS
CIRCUIT AC-30V
AZ
Q F
Y-OUT
C-OUT
V P
G B
G D
V M
RGB
V D
D R
D S
50V
15V
5V
V-BLK
PGA
R G B
130V OUT
V G
① OVER SCAN
② PCC
V A
① COMP IN
V F
① SYNC OUT
V H
① COMP HI
② Threshold
(CONT MIN)
V Q
V R
C-COMP
Y-COMP
Top-Bottom-PCC
for VF-VP
D P
For top-Bottow-PCC M-PULRE
BEAM LIMIT
TINT
PIX
COLOR
CONT
BRT
V-SIZE
V-POSI
V NFB
VIDEO(Y)
NOTCH
NR
12V
V-DY
V Y
D H
D T
V C
V E
V N
V B
V I
DBF
SVM
G A
230V
50V
NOTE 7
RGB AV SHIELDING BOX
R-CASE G-CASE B-CASE
AC - 30V
P1
Stand by Source AC120V
AC23V
AC20V
P2 P3 P4
POWER-1
RGBH
R P
C B
C C
C D
C A
NOTE,※1
SA
DEFL
DO
DEG SW
Q E
V-HOL
M B
M A
D M
PIN1 PIN14
CRT SOCKET
EB
HV-GND
G3 G3 SCREEN
F1 F2 S
FUCVS PACK
D L
8V HEATER
G C


ANALOG
D-SUB
RGB
A V
AUDIO
LED
CONTROL
DBF
SW1
SW2
SW3
AV
SYNC ON
G SYNC
CLAMP
PULSE
A A
A C
A D
CONT PAST
BRIGHT
RGB-1
RGB-2
RGB-3
RGB-4
RGB-5
RGB-6
DECORDER
OP-2
SEPERATE SYNC(V)
SEPERATE SYNC(H.H/V)
A U
A H
A E
Q D
CONTRAST
BRIGHT
TERMINAL-2
A G
R
L
RGB
AUDIO
IN
COMP IN
COMP OUT
D-SUB 25P
A F
TTL COLOR SELECT
TTL/TEXT SELECT
5V
EXT/RGB SELECT
ANALOG/TTL SELEC
REMOTE
SYNC GND
CLAMP SW
D-SUB 25P
TERMINAL-1
A V
A11
AV
AC TRANS
A12
P 1
CIRCUIT
AC-30V
GT
TERMINAL-3
VCJ
H A
V R
Y
C
C-COMP
Y-COMP
QA
Q B
R
L
RGB
R N
AC TRANS
AC TRANS
P 3
P 4
VIDEO MUTE
AC23V
AC20V
TERMINAL-3
Q C
POWER-LED
GZ-1
GZ-2
POWER3
AUDIO SWITCHED V ARI OUT
POWER DETECTION
A80
+5V
A13
AZ
F
NTROL
Y-OUT
C-OUT
Y C MIX SIGNAL
V P
V C
A 4
A 3
BAL
TREBLE
BASS
VOL
A 6
POWER ON
A 7
14V
5V
A 8
R
L
AUDIO
A 9
VIDEO MUTE
A10
AUDIO
A12
POWER-1
P U
AUDIO
A80
AUDIO
A13
12V
SW
AC-30V
POWER SW
STAND-BY 12V
POWER DETECTION
+5V
V P
AUDIO
V Q
V R
C-COMP
Y-COMP
Top-Bottom-PCC
for VF-VP
D P
DEFL
Y/C MIX SIGNAL
A 4
NR
12V
V-DY
V B
V I
VCJ
V G
OVER SCAN
PCC
V A
COMP IN
V F
SYNC IN
P13
P14
P15
P16
P17
P50
P51
P52
P53
P54
A Y
Not approach to CRT shild plate
AUDIO
ON GREEN SYNC
SEPARATE SYNC
ANALOG RGB
MONOCHROME
AUTO
TTL RGB
64
16
8
S-VHS
VTR
EXT3
EXT2
EXT1
A 2
AUDIO
AUDIO
PRE AMP
+5V
A 1
AUDIO
PRE AMP
Q G
AUDIO
RGB-H
A 5
A 5
D11
D10
V.D. VS
DOTY
F.B.P.
TP-5E
HD
V-HOLD
VH
+15V
+12V
PHOTE
FV
D 13
D 14
TP-3B
TP-5C
+8V
AFC
12V
D Q
D 3
DEFL
CONTROL
CONTROL
AUDIO
Not approach to CRT shild plate
AUDIO
V B
Q E
Q F
M B
M A
V-HOLD
b d
D M
AFC
D Q
12V
D 3
DEFL
DEFL
DEFL
To magnet shild plate of CRT cover
DEFL
DEFL
VC3
18the line
EC
CONNECTOR V 2P
FOCUS PACK
D 4
D 5
D C
V E
DEFL
H-PULSE
NC
NC
NC
12V
V-NFB
D Z

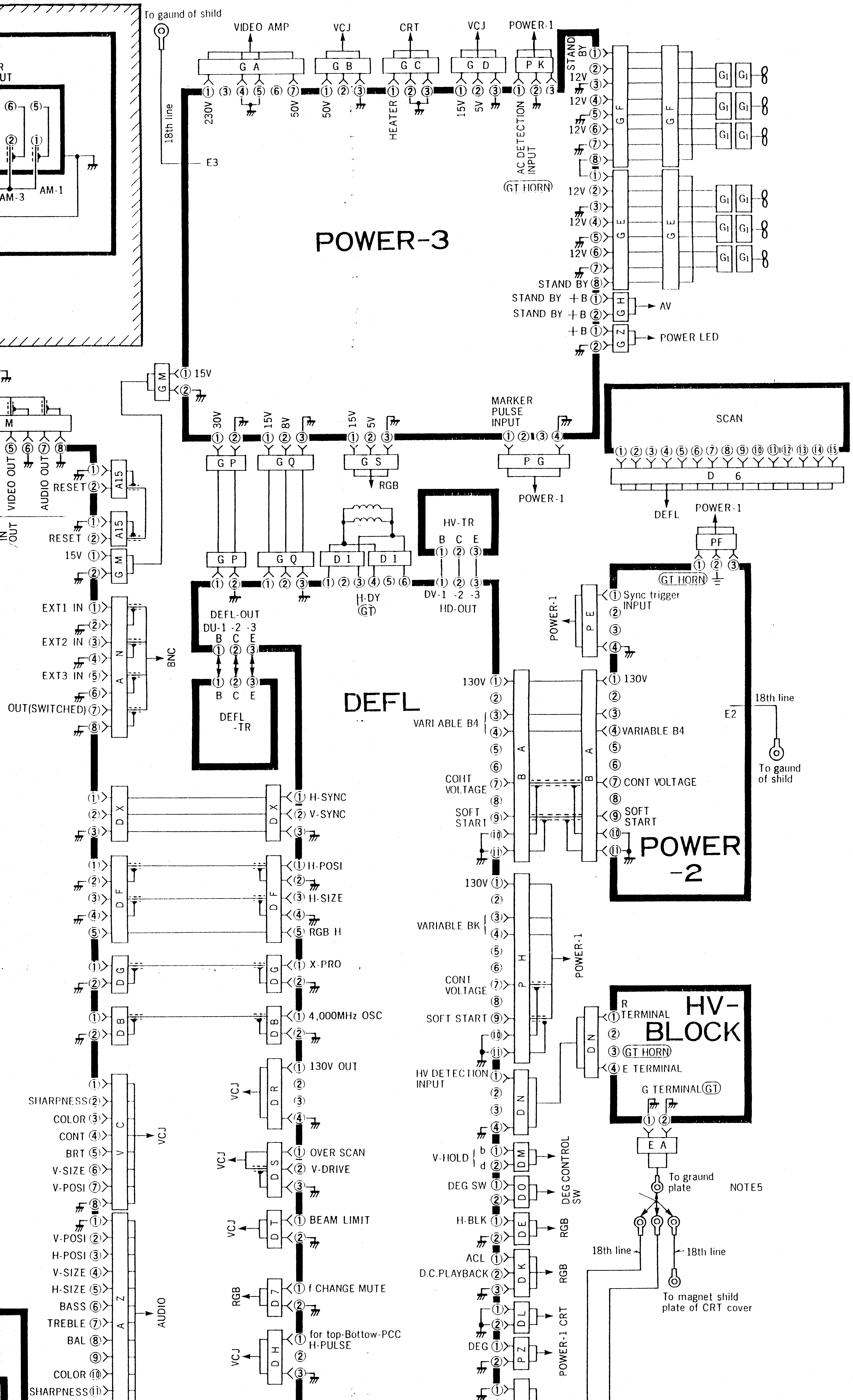

TERMINAL-1
75Ω ↔ HI-1MP
DIP SW
RGB TTL CLAMP
CONT
B-3K
A11
IN
OUT
R
G
B
H,H/V
V
ANALOG INPUT (BNC)
TERMINAL-2
RGB AUDIO
AG
TERMINAL-3
EXT1
EXT2
EXT3
EXT1 THROUGH OUT
SW OUT
S-VHS
AP
AQ
AR
AT
AM-7
AN
EXT1 THROUGH OUT
SWITCH ED OUT
LINE
VARIABLE
75Ω ↔ HI-1MP
AV TERMINAL
Y/C
HA
AS
QC
AUDIO
AV
AF
RF
RG
RM
RK
H-SYNC
V-SYNC
ANALOG D-SUB
FAST BLK
YM
PGA
ANALOG BNC/D-SUB SW
RGB TTL CONT
15V
5V
SW1
SW2
SW3
AB
AA
AC
AD
SYNC ON G SYNC
CLAMP PULSE
AUDIO SWITCHED LINE OUT
EXT-1 AUDIO IN
EXT2 AUDIO IN
EXT3 AUDIO IN
S-VHS AUDIO IN
AUDIO IN
RGB
A V
BRIGHT
RGB-1
RGB-2
RGB-3
RGB-4
RGB-5
RGB-6
DECORDER
OP-2
SEPERATE SYNC(V)
SEPERATE SYNC(H,H/V)
AU
AH
AE
CONTRAST
BRIGHT
AC TRANS
A12
P1
CIRCUIT AC-30V
TERMINAL-3
VCJ
HA
VR
C-COMP
Y-COMP
QA
QB
RN
P3
P4
QC
VIDEO MUTE
AC23V
AC20V
POWER-LED
GZ-1
GZ-2
POWER3
POWER DETECTION
AUDIO SWITCHED V ARI OUT
+5V
A80
A13
AUDIO
TERMINAL-2
RGB AUDIO IN
D-SUB 25P
COMP IN
COMP OUT
TERMINAL D-SUB 25P -1
TTL COLOR SELECT
TTL/TEXT SELECT
5V
EXT/RGB SELECT
ANALOG/TTL SELECT
REMOTE
SYNC GND
CLAMP SW
Y-OUT
C-OUT
Y C MIX SIGNAL
VP
VC
A4
A3
BAL
TREBLE
BASS
VOL
POWER ON
14V
A6
A7
A8
A9
A10
POWER-1
PU
12V
SW
AC-30V
POWER SW
STAND-BY 12V
POWER DETECTION
Top-Bottom-PCC
for VF-VP
DP
DEFL
V-DY
VI
Y/C MIX SIGNAL
VG
OVER SCAN
PCC
P13
P14
P15
P16
P17
P50
P51
P52
P53
P54
ON GREEN SYNC
SEPARATE SYNC
MONOCHROME
AUTO
ANALOG RGB
TTL RGB
64
16
8
S-VHS
VTR
EXT3
EXT2
EXT1
PRE AMP
A1
QG
RGB-H
ST-BY +BRO
A5
GH
POWER-3
SVM

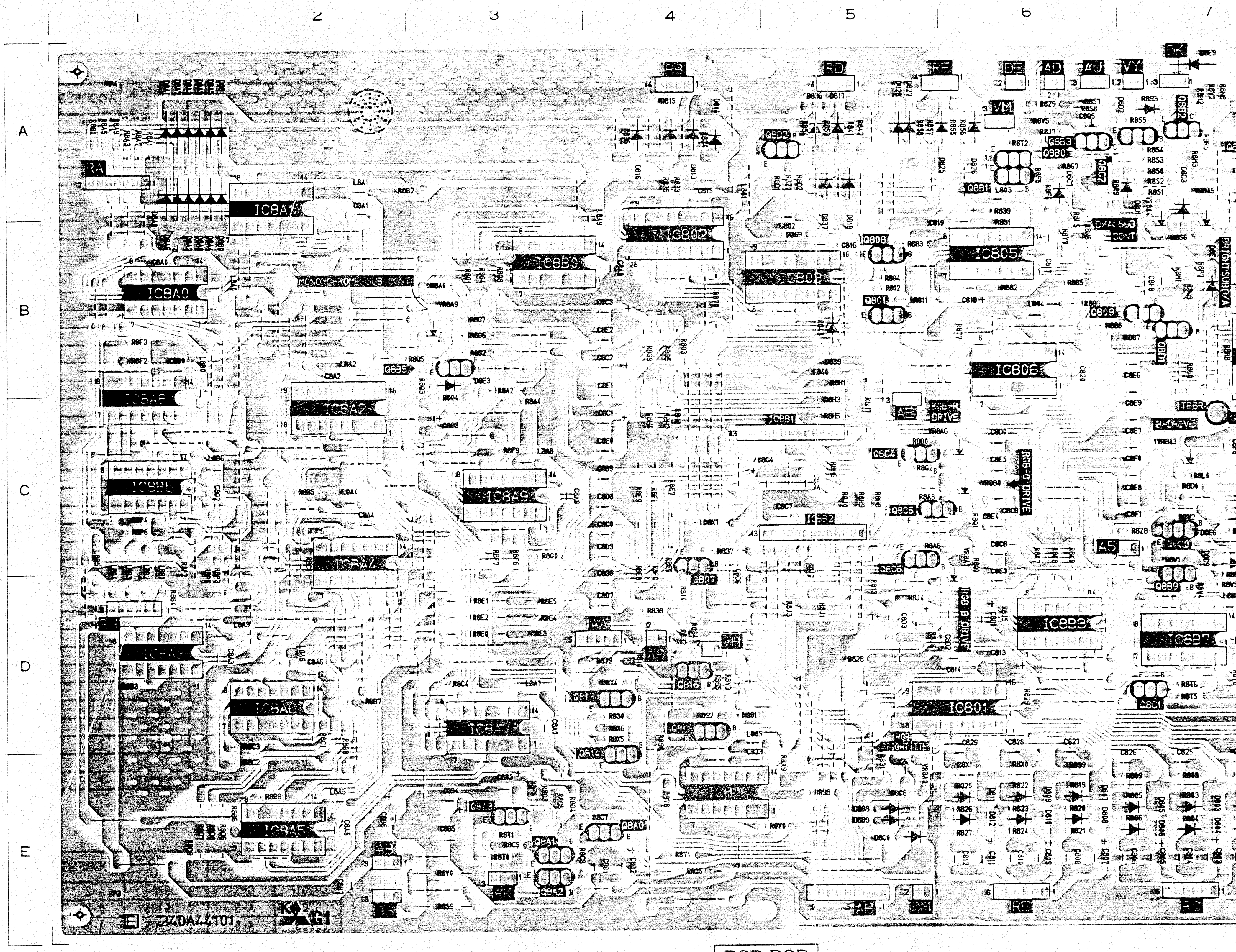

TERMINAL-3
EXT2
EXT3
S-VHS
R
L
VTR IN/OUT
AP
AQ
AR
AT
AV
SWITCH ED OUT
LINE
VARIABLE
AV TERMINAL
AS
QC
AUDIO
AM-7
AM-5
AM-3
AM-1
To gaund of shild
18th line
E3
VIDEO AMP
VCJ
CRT
POWER-1
GA
GB
GC
GD
PK
230V
50V
HEATER
15V
5V
AC DETECTION INPUT
GT HORN
STAND BY
12V
GF
GE
POWER-3
STAND BY +B
GH
GZ
+B
POW
GM
15V
MARKER PULSE INPUT
30V
8V
GP
GQ
GS
PG
RGB
POWER-1
DEFL
HV-TR
B C E
D1
DEFL-OUT
DU-1 -2 -3
H-DY
GT
DV-1 -2 -3
HD-OUT
DEFL-TR
DEFL
A P
A Q
A R
A T
A M
EXT-1 AUDIO IN
EXT2 AUDIO IN
EXT3 AUDIO IN
S-VHS AUDIO IN
AUDIO IN
VIDEO IN
VIDEO OUT
AUDIO OUT
VTR IN/OUT
RESET
A15
EXT1 IN
EXT2 IN
EXT3 IN
OUT(SWITCHED)
AN
BNC
A V
AH
LED
AU
CONTRAST
BRIGHT
GZ-2
R3
TERMINAL-2
AG
RGB AUDIO IN
D-SUB 25P
AF
COMP IN
COMP OUT
TERMINAL D-SUB 25P -1
TTL COLOR SELECT
TTL/TEXT SELECT
5V
EXT/RGB SELECT
ANALOG/TTL SELECT
REMOTE
SYNC GND
CLAMP SW
TERMINAL AUDIO
A11
POWER-1
PU
A80
A13
POWER SW
STAND-BY 12V
POWER DETECTION
+5V
DX
H-SYNC
V-SYNC
DF
H-POSI
H-SIZE
RGB H
DG
X-PRO
DB
4,000MHz OSC
DR
130V OUT
DS
OVER SCAN
V-DRIVE
DT
BEAM LIMIT
D7
f CHANGE MUTE
DH
for top-Bottow-PCC H-PULSE
SHARPNESS
COLOR
CONT
BRT
V-SIZE
V-POSI
VC
H-POSI
BASS
TREBLE
BAL
AZ
RGB-H
ST-BY +BRO
A5
GH
VN
A1
PRE AMP
AMP
Q
SVM
130V
VARIABLE B4
COHT VOLTAGE
SOFT START
BA
VARIABLE B
CONT VOLT
PO
VARIABLE BK
CONT VOLTAGE
PH
HV DETECTION INPUT
DN
V-HOLD
DM
DEG SW
DO
DEG CONTROL SW
H-BLK
DE
ACL
D.C.PLAYBACK
DK
DL
CRT
DEG
PZ
PE
Sync trigger INPUT
TERMINAL
BL
E TERMINA
G TERM
EA
To pl
18th line


A V
DEFL
RESET ②
15V ①
G M
EXT1 IN ①
EXT2 IN ③
EXT3 IN ⑤
OUT(SWITCHED) ⑦
BNC
G P
G Q
D 1
H-DY (GT)
B C E
DV-1 -2 -3
HD-OUT
DEFL-OUT
DU-1 -2 -3
DEFL -TR
Sync trigger INPUT
POWER-1
P E
130V ①
VARIABLE B4
CONT VOLTAGE
SOFT START
VARIABLE
CONT VOL
PO
B A
CONTRAST
BRIGHT
A U
A H
-LED
GZ-2
ER3
TERMINAL-2
A G
R
L
RGB AUDIO IN
D-SUB 25P
A F
COMP IN
COMP OUT
TTL COLOR SELECT
TTL/TEXT SELECT
5V
EXT/RGB SELECT
ANALOG/TTL SELECT
REMOTE
SYNC GND
CLAMP SW
TERMINAL D-SUB 25P -1
A V
A11
AUDIO TERMINAL AUDIO
POWER-1
P U
A80
A13
POWER SW
STAND-BY 12V
POWER DETECTION
+5V
D X
H-SYNC
V-SYNC
D F
H-POSI
H-SIZE
RGB H
D G
X-PRO
D B
4,000MHz OSC
D R
130V OUT
VCJ
D S
OVER SCAN
V-DRIVE
D T
BEAM LIMIT
D 7
f CHANGE MUTE
RGB
D H
for top-Bottow-PCC H-PULSE
D P
Top-Bottom PCC
V-FV Wideh
SHARPNESS
COLOR
CONT
BRT
V-SIZE
V-POSI
V C
V-POSI
H-POSI
V-SIZE
H-SIZE
BASS
TREBLE
BAL
COLOR
SHARPNESS
BRIGHT
CONT
A Z
AUDIO
VARIABLE BK
P H
POWER-1
CONT VOLTAGE
SOFT START
R TERMINAL
GT HORN
E TERMIN
BL
D N
HV DETECTION INPUT
G TER
E A
V-HOLD b d
D M
DEG CONTROL SW
DEG SW
D O
H-BLK
D E
RGB
ACL
D.C.PLAYBACK
D K
RGB
D L
CRT
DEG
P Z
POWER-1
18th line
To pl
H-POSI
PHASE-CONT
RGB-H
f3
f2
f1
H-SYNC
+12V
V-FV
VD-O
VD-I
V-SYNC
VH
D 6
SCAN
RGB-H
ST-BY +BRO
A 5
G H
VCJ
V N
POWER-3
SVM
D A
DEFL
AMP
+5V
A 1
AUDIO
Q G
PRE AMP
D11
V.D. VS
+15V
+12V
PHOTE
D10
DOTY
F.B.P.
TP-5E
HD
V-HOLD
VH
AFC
FV
D 13
D 14
TP-3B
TP-5C
+8V
12V
D12
DEFL
D Q
D 3
CONTROL
DEFL
VC3
V E
V-NFB
D Z
D13
D12
FV
CLK
+5V
+8V
V-Parabora
H-SYNC
SIDE-PCC
COMP-H
RGB-H
PCC-GAIN
OVR SCW
BLK
RGB-H
H-SYNC
D11
D14
D10
V-Parabora
H-PULSE
NC
12V
CONNECTOR V 2P
Sync trigger INPUT
14V
130V
D 5
D C
D Z
P W
D A
DBF
POWER-1
SVM
F P
F1
EUM-
SCHE

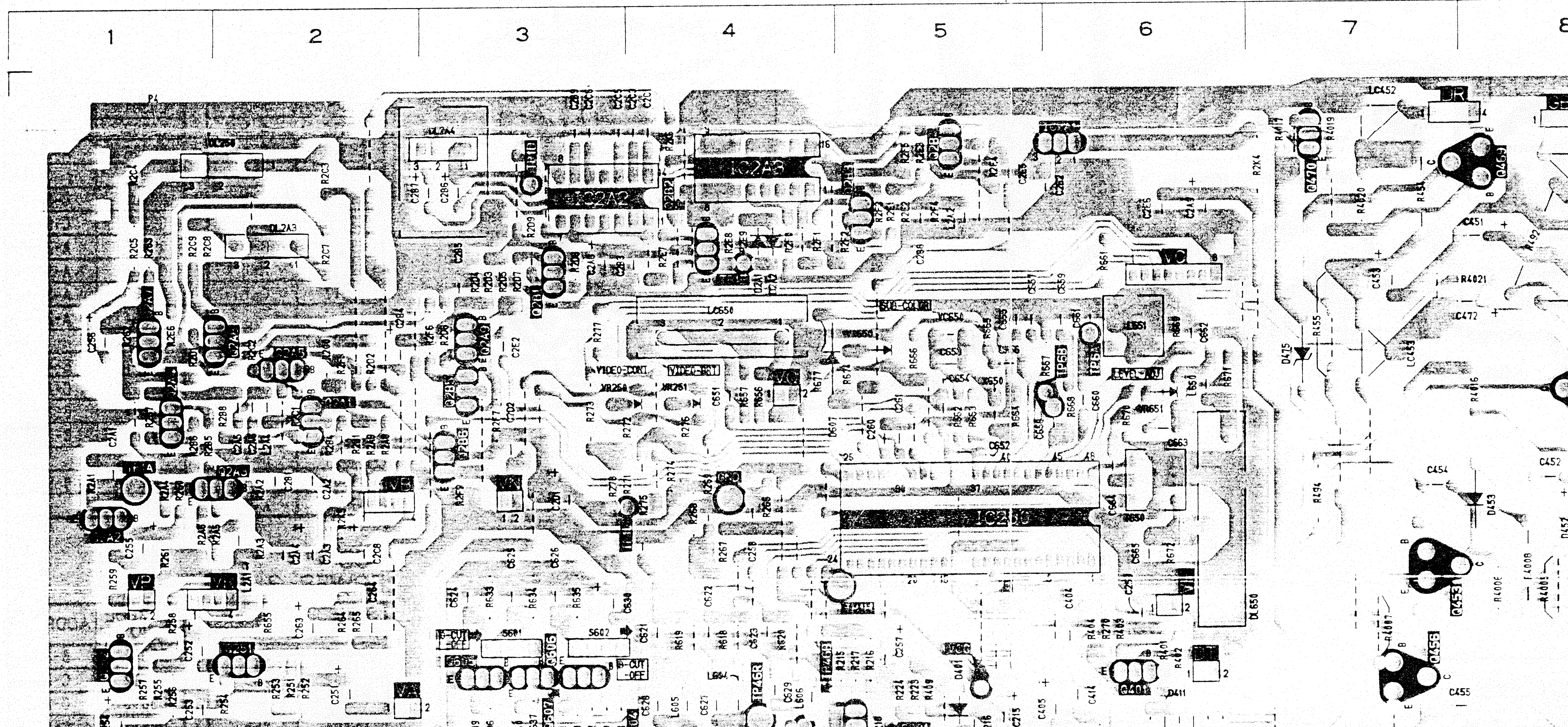

15V ①
G M
G P
G Q
D 1
D 1
H-DY
GT
DV-1 -2 -3
HD-OUT
GT HORN
Sync trigger INPUT
P E
POWER-1
EXT1 IN ①
EXT2 IN ③
EXT3 IN ⑤
OUT(SWITCHED) ⑦
A N
BNC
DEFL-OUT
DU-1 -2 -3
B C E
DEFL -TR
DEFL
130V ①
VARIABLE B4
CONT VOLTAGE
SOFT START
B A
POWER -2
18th line
E2
To gaund of shild
D X
H-SYNC
V-SYNC
D F
H-POSI
H-SIZE
RGB H
D G
X-PRO
D B
4,000MHz OSC
130V
VARIABLE BK
CONT VOLTAGE
SOFT START
P H
POWER-1
R TERMINAL
GT HORN
E TERMINAL
G TERMINAL GT
HV- BLOCK
HV DETECTION INPUT
D N
D R
130V OUT
VCJ
SHARPNESS ②
COLOR ③
CONT ④
BRT ⑤
V-SIZE ⑥
V-POSI ⑦
V C
VCJ
D S
OVER SCAN
V-DRIVE
V-HOLD b d
D M
DEG CONTROL SW
DEG SW
D O
E A
To graund plate
NOTE5
D T
BEAM LIMIT
H-BLK
D E
RGB
18th line
18th line
ACL
D.C.PLAYBACK
D K
RGB
To magnet shild plate of CRT cover
V-POSI ②
H-POSI ③
V-SIZE ④
H-SIZE ⑤
BASS ⑥
TREBLE ⑦
BAL ⑧
COLOR ⑩
SHARPNESS ⑪
BRIGHT ⑫
CONT ⑬
A Z
AUDIO
D 7
f CHANGE MUTE
D L
POWER-1 CRT
DEG
P Z
D H
for top-Bottow-PCC H-PULSE
V N
VCJ
D P
Top-Bottom PCC
V-FV Wideh
H-POSI ②
PHASE-CONT ③
RGB-H ④
f3 ⑤
f2 ⑥
f1 ⑦
H-SYNC ⑧
+12V ⑨
V-FV ⑩
VD-O ⑪
VD-I ⑫
V-SYNC ⑬
VH ⑭
D 6
SCAN
FOCUS PACK
SILICON RUBBER CAP
F1 F2 SCR DBF
D4
CRT
D A
DEFL
FV
D13
CLK
+5V
+8V
FV
D12
V-Parabora
H-SYNC
SIDE-PCC
COMP-H
RGB-H
PCC-GAIN
OVR SCW
BLK
RGB-H
H-SYNC
D11
D14
V-Parabora
H-PULSE
NC
NC
NC
12V
CONNECTOR V 2P
Sync trigger INPUT
14V
130V
D5
D C
D Z
P W
D A
DBF
DBF
POWER-1
SVM
FV
D10
FV

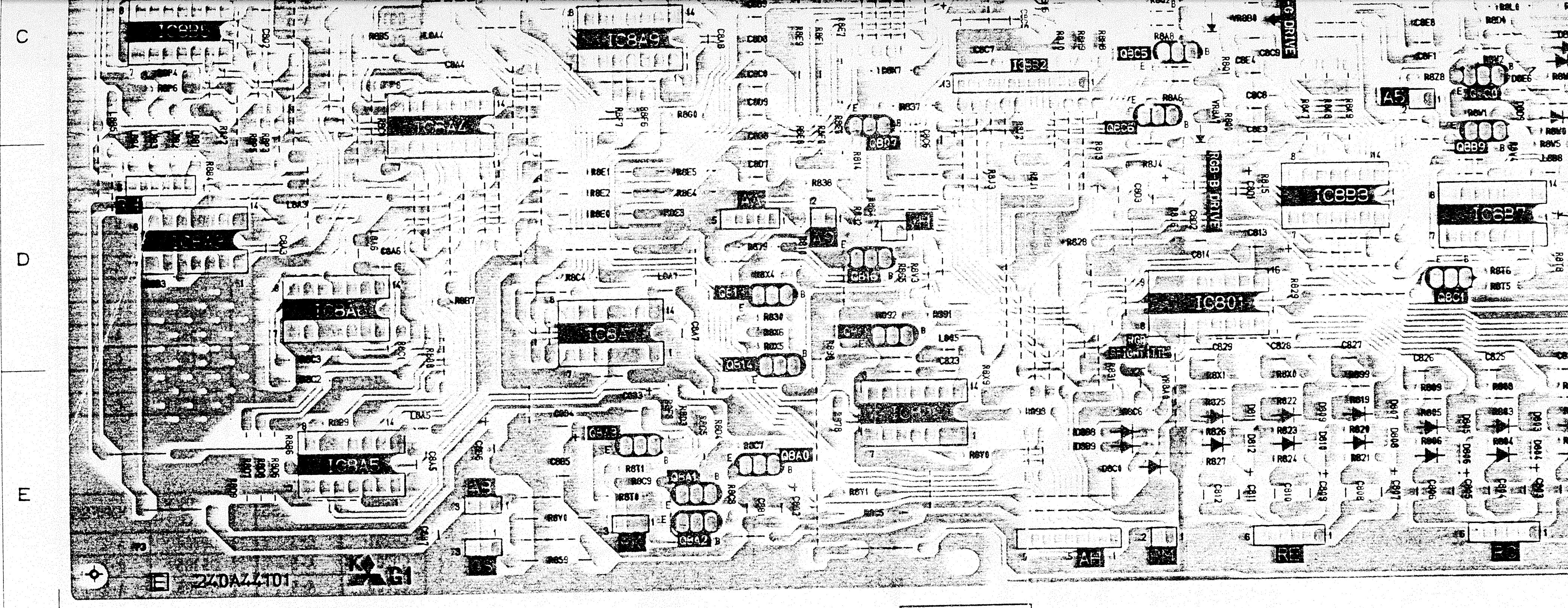
EUM-3741A
SCHEMATIC DIAGRAM


To gaund of shild
VIDEO AMP
VCJ
CRT
VCJ
POWER-1
GA
GB
GC
GD
PK
230V
50V
50V
HEATER
15V
5V
AC DETECTION INPUT
GT HORN
18th line
E3
STAND BY
12V
GF
GE
G1
STAND BY
STAND BY +B
GH
AV
+B
GZ
POWER LED
POWER-3
AM-3
AM-1
GM
15V
30V
8V
5V
MARKER PULSE INPUT
GP
GQ
GS
RGB
PG
POWER-1
SCAN
D6
DEFL
POWER-1
PF
GT HORN
HV-TR
B C E
D1
H-DY
GT
DV-1 -2 -3
HD-OUT
DEFL-OUT
DU-1 -2 -3
DEFL -TR
DEFL
VIDEO OUT
AUDIO OUT
IN
/OUT
RESET
A15
15V
EXT1 IN
EXT2 IN
EXT3 IN
OUT(SWITCHED)
AN
BNC
POWER-1
PE
Sync trigger INPUT
130V
VARIABLE B4
CONT VOLTAGE
SOFT START
BA
E2
18th line
To gaund of shild
POWER -2
DX
H-SYNC
V-SYNC
DF
H-POSI
H-SIZE
RGB H
DG
X-PRO
DB
4,000MHz OSC
DR
VCJ
130V OUT
DS
OVER SCAN
V-DRIVE
DT
BEAM LIMIT
D7
f CHANGE MUTE
DH
for top-Bottow-PCC H-PULSE
VC
SHARPNESS
COLOR
CONT
BRT
V-SIZE
V-POSI
VCJ
AZ
V-POSI
H-POSI
V-SIZE
H-SIZE
BASS
TREBLE
BAL
COLOR
SHARPNESS
AUDIO
PH
VARIABLE BK
CONT VOLTAGE
SOFT START
POWER-1
HV DETECTION INPUT
DN
R TERMINAL
GT HORN
E TERMINAL
G TERMINAL
GT
HV-BLOCK
V-HOLD b d
DM
DEG SW
DO
DEG CONTROL SW
H-BLK
DE
RGB
ACL
D.C.PLAYBACK
DK
RGB
DL
CRT
DEG
PZ
POWER-1
EA
To ground plate
NOTE5
18th line
18th line
To magnet shild plate of CRT cover

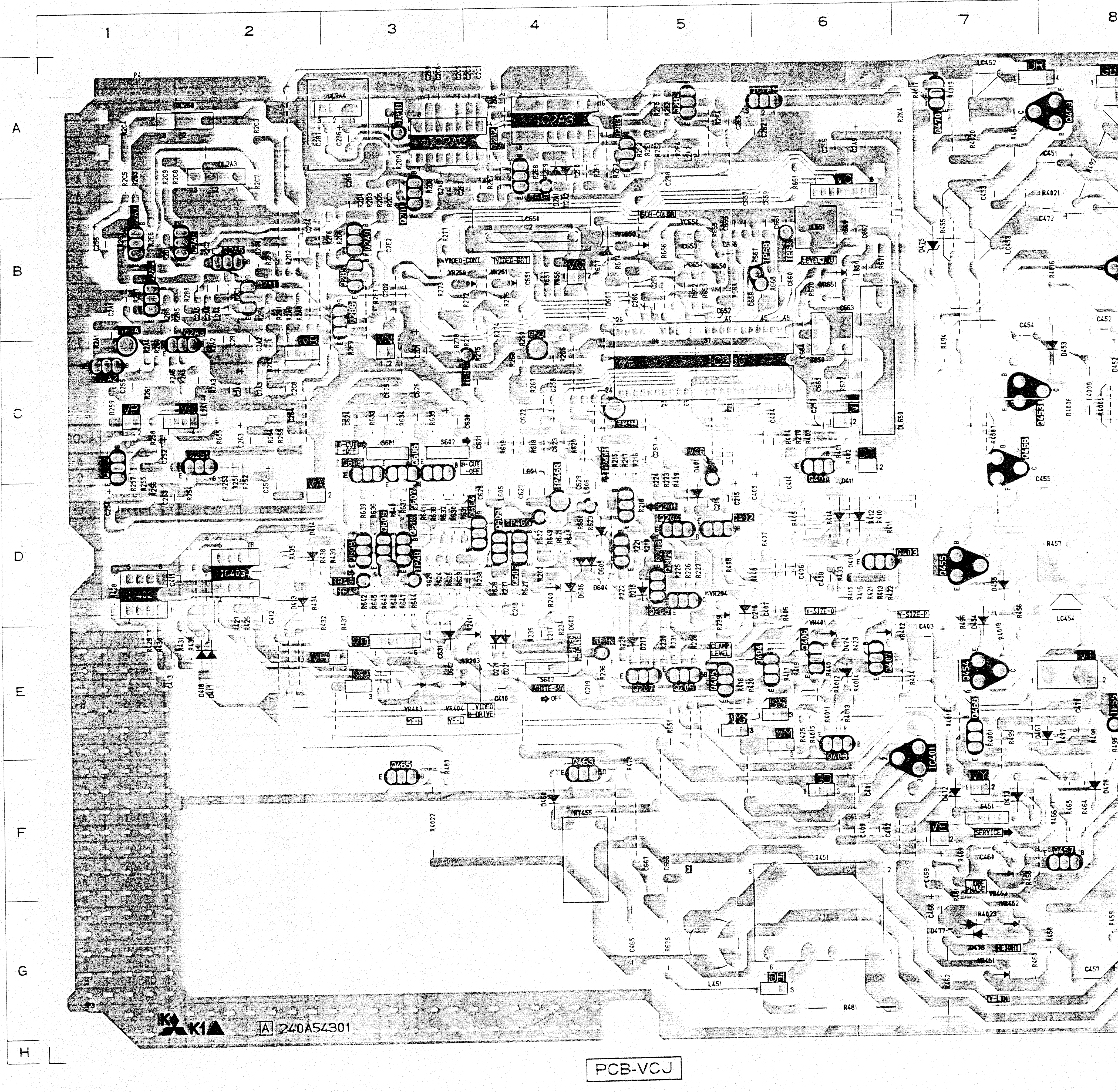

1
2
3
4
5
6
7
A
B
C
D
E
IC8A1
IC8A0
IC8B0
IC802
IC803
IC8054
IC806
IC8A2
IC8A9
IC8A4
IC8B3
IC801
IC8A3
IC8A5
IC8A6
RGB-R DRIVE
RGB-G DRIVE
RGB-B DRIVE
MONOCHROME SUB CONT
D/A SUB CONT
VM
RA
240A24101

PCB-RGB

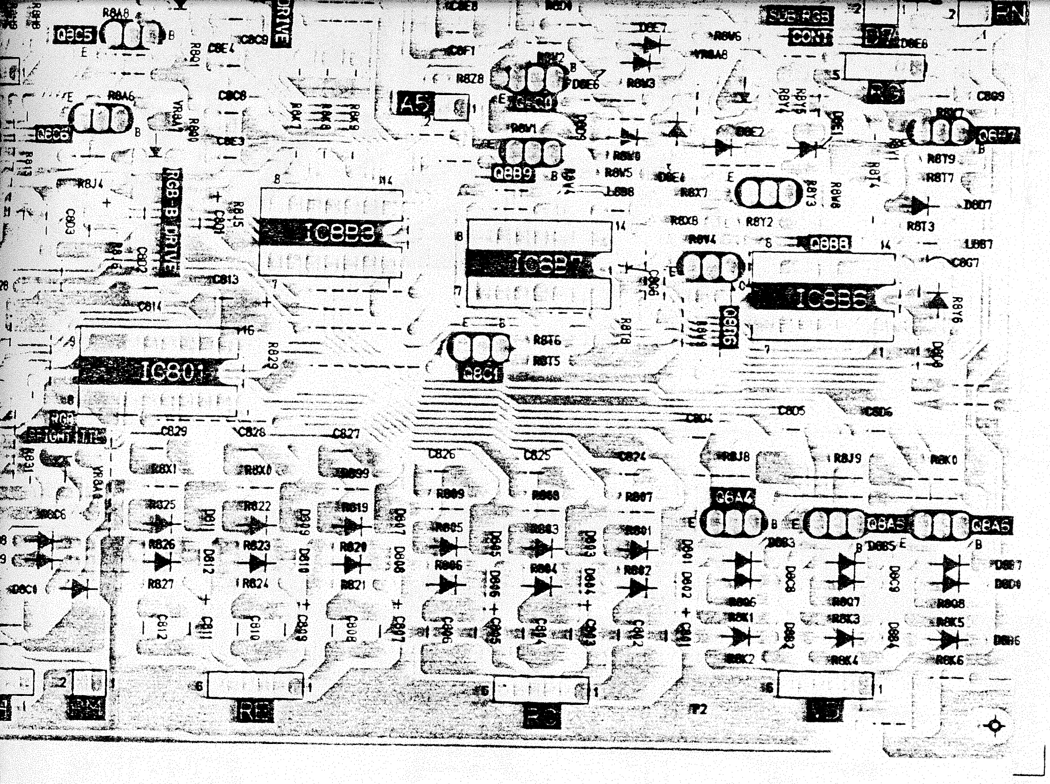

1
2
3
4
5
6
7
8
A
B
C
IC2A3
IC2A2
IC2B0
VIDEO-CONT
VIDEO-SET


C
D
E
IC8A9
IC8A7
IC8A6
IC8A5
IC8A4
IC8B3
IC8B7
IC801
IC852
G DRIVE
R DRIVE
240AZ4101

PCB-RGB


1
2
3
4
5
6
7
8
A
B
C
D
E
F
G
H
IC2A2
IC2A3
IC403
IC401
VIDEO-CONT
VIDEO-BRI
SERVICE
VIDEO B-DRIVE
T451
L451
240A54301

PCB-VCJ



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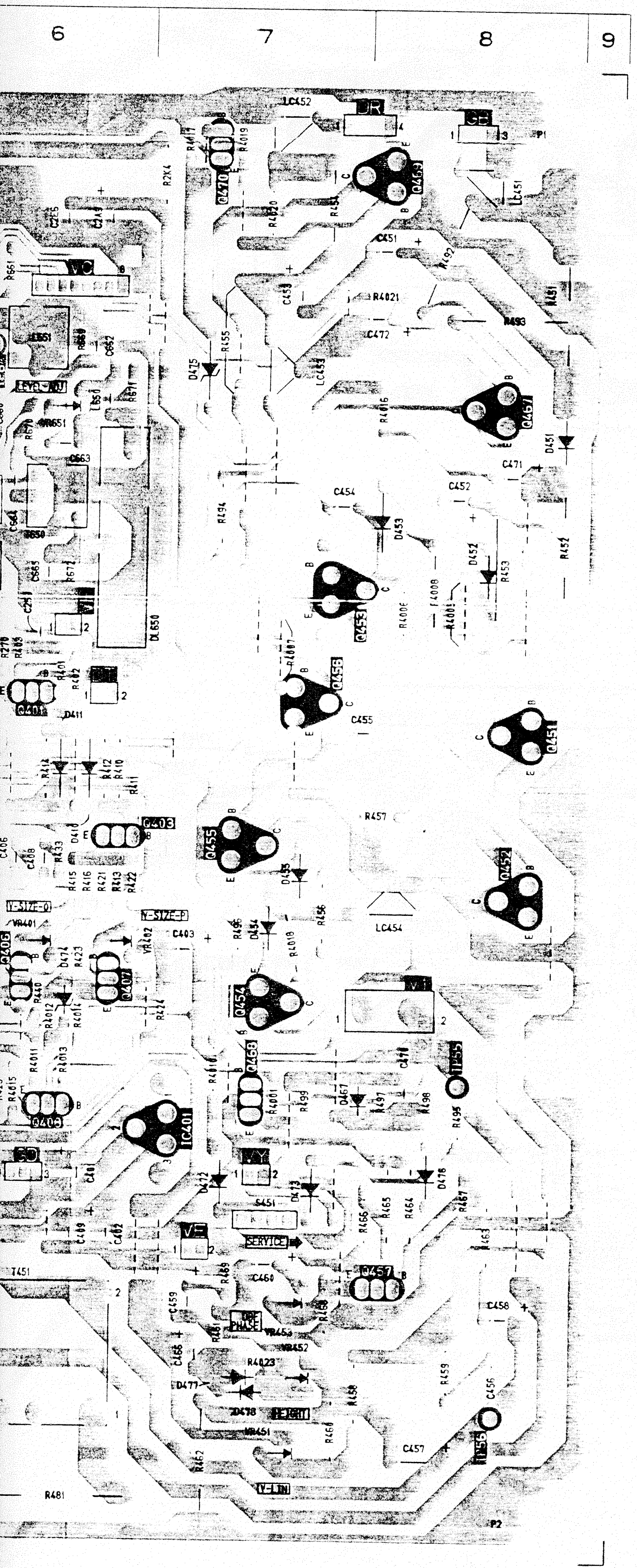
D8A0	B-1		IC803	B-5		Q813	D-4				
D8A1	A-1		IC805	B-6		Q814	E-4				
D8A2	B-1		IC806	B-6		Q816	D-4				
D8A3	A-1		IC807	E-4		Q8A0	E-4				
D8A4	B-1		IC8A0	B-1		Q8A1	E-3				
D8A5	A-1		IC8A1	A-2		Q8A2	E-3				
D8A6	B-1		IC8A2	C-2		Q8A3	E-3				
D8A7	A-1		IC8A3	D-1		Q8A4	E-8				
D8A8	B-1		IC8A4	C-2		Q8A5	E-8				
D8A9	A-1		IC8A5	E-2		Q8A6	E-8				
D8B0	B-1		IC8A6	D-2		Q8A7	A-8				
D8B1	A-1		IC8A7	D-3		Q8A8	B-8				
D8B2	E-8		IC8A8	C-1		Q8A9	B-7				
D8B3	E-8		IC8A9	C-3		Q8B0	A-6				
D8B4	E-8		IC8B0	B-3		Q8B1	A-6				
D8B5	E-8		IC8B1	C-5		Q8B2	A-7				
D8B6	E-8		IC8B2	C-5		Q8B3	A-6				
D8B7	E-8		IC8B3	D-6		Q8B4	C-8				
D8B8	E-5		IC8B4	B-8		Q8B5	B-3				
D8B9	E-5		IC8B5	C-1		Q8B6	D-7				
D8C0	E-5		IC8B6	D-8		Q8B7	C-8				
D8C1	A-8		IC8B7	D-7		Q8B8	D-8				
D8C2	A-8					Q8B9	D-7				
D8C3	A-8		L801	A-4		Q8C0	C-7				
D8C4	A-8		L802	B-5		Q8C1	D-7				
D8C5	A-7		L803	A-6		Q8C2	A-6				
D8C6	A-7		L804	B-6		Q8C3	A-8				
D8C7	A-6		L805	D-5		Q8C4	C-5				



PCB — VCJ

SYMBOL NO.	ADDRESS
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D216	D-6
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D220	E-4
D221	E-4
D2A1	B-4
D2A2	B-4
D401	C-5
D410	D-6
D411	D-6
D413	D-2
D414	D-2
D417	E-2
D418	E-2
D451	B-8
D452	C-8
D453	C-8
D454	E-7
D455	D-7
D460	F-4
D467	E-7
D472	F-7
D473	F-7
D474	E-6
D475	B-7
D476	F-8
D477	G-7
D478	G-7
D602	E-3
D603	D-4
D604	D-4
D605	D-4
D606	D-4
D607	B-5
DL250	A-2
DL2A3	A-2
DL2A4	A-3
DL650	C-7
IC250	C-5
IC2A1	A-6
IC2A2	A-4
IC2A3	A-4
IC401	E-7
IC402	D-1
IC403	D-2
L2A1	C-2
L2A2	A-5
L2A4	B-2
L451	G-5
L604	C-4

SYMBOL NO.	ADDRESS
L605	D-4
L606	D-4
L650	B-6
L651	B-6
LC451	A-8
LC452	A-7
LC453	B-7
LC454	E-8
LC650	B-4
Q201	D-5
Q202	D-5
Q203	D-5
Q204	D-5
Q205	D-5
Q206	E-5
Q207	E-5
Q251	C-2
Q252	C-1
Q2A1	B-2
Q2A2	C-1
Q2A3	B-2
Q2A4	B-1
Q2A5	B-2
Q2A7	B-1
Q2A8	B-2
Q2A9	B-3
Q2B1	B-3
Q2B2	A-4
Q2B3	A-5
Q2B4	A-5
Q2B5	B-3
Q2B6	B-3
Q401	D-6
Q402	D-6
Q403	D-7
Q404	E-6
Q405	E-5
Q406	E-6
Q407	E-6
Q408	F-6
Q451	D-8
Q452	D-8
Q453	C-8
Q454	E-7
Q455	D-7
Q456	C-7
Q457	F-8
Q463	F-4
Q465	F-3
Q467	B-8
Q468	E-7

SYMBOL NO.	ADDRESS
Q469	A-8
Q470	A-7
Q602	D-4
Q603	D-4
Q604	D-4
Q605	C-3
Q606	C-3
Q607	D-3
Q608	D-3
Q609	D-3
Q610	D-3
T451	F-6
T650	C-6
TP1A	B-1
TP1D	A-3
TP1E	B-4
TP1H	C-5
TP1K	E-5
TP1L	C-4
TP46B	C-4
TP46G	D-4
TP46R	C-4
TP4B	D-3
TP4G	D-3
TP4R	D-3
TP55	E-8
TP56	G-8
TP6A	B-6
TP6B	B-6
VC650	B-5
VCC	C-5
VR202	D-4
VR203	E-4
VR204	D-5
VR250	B-4
VR251	B-4
VR401	E-6
VR402	E-7
VR403	E-3
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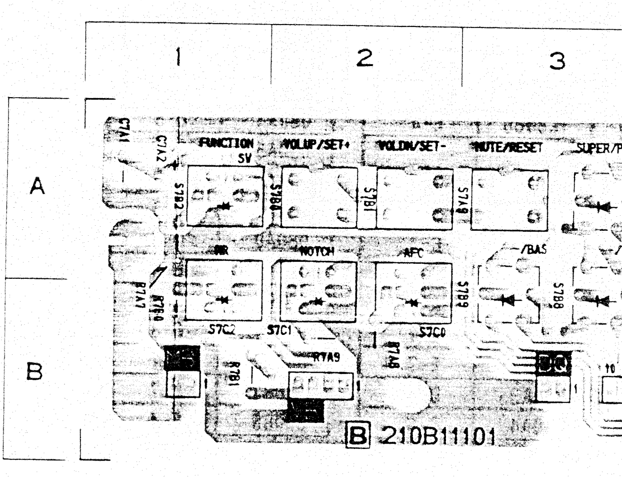
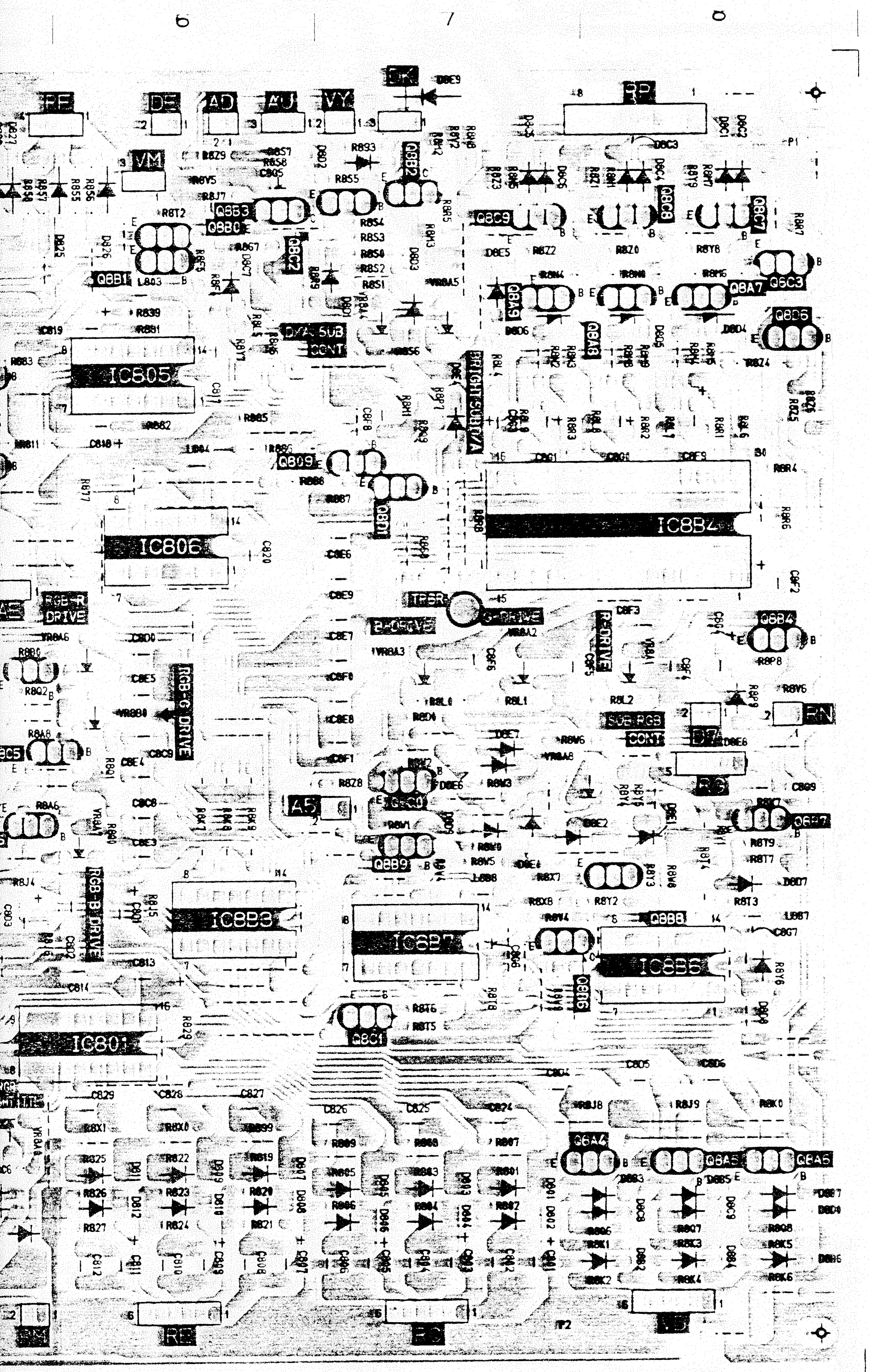
VR452	G-7
VR453	G-7
VR650	B-5
VR651	B-6
X650	B-5



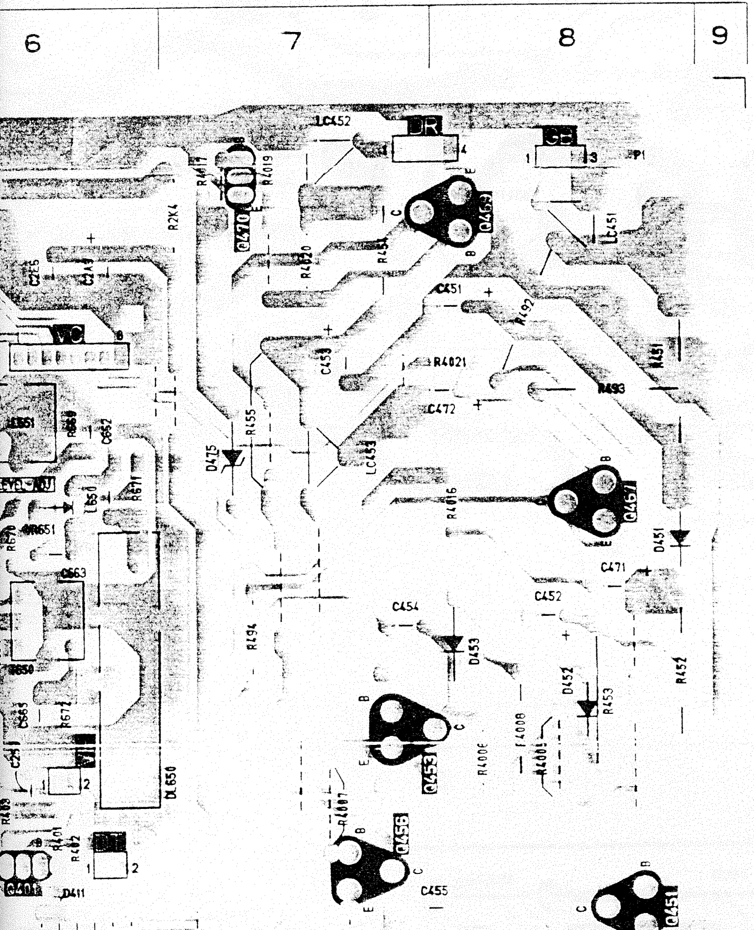

6
7
8
IC805
IC806
IC8B4
IC8B3
IC8B7
IC8B6
IC801
RGB-R DRIVE
RGB-G DRIVE
RGB-B DRIVE
G-DRIVE
B-DRIVE
R-DRIVE
SUB-RGB CONT
D/A SUB CONT
BRIGHT SUB V/A
TPBR
VM
VY
AD
AU
RP

SYMBOL NO.	ADDRESS
D801	E-7
D802	E-7
D803	E-7
D804	E-7
D805	E-7
D806	E-7
D807	E-6
D808	E-6
D809	E-6
D810	E-6
D811	E-6
D812	E-6
D813	A-4
D814	A-4
D815	A-4
D816	A-4
D817	A-5
D818	B-5
D825	A-6
D826	A-6
D827	A-5
D828	A-5
D836	A-5
D837	B-5
D839	B-5
D8A0	B-1
D8A1	A-1
D8A2	B-1
D8A3	A-1
D8A4	B-1
D8A5	A-1
D8A6	B-1
D8A7	A-1
D8A8	B-1
D8A9	A-1
D8B0	B-1
D8B1	A-1
D8B2	E-8
D8B3	E-8
D8B4	E-8
D8B5	E-8
D8B6	E-8
D8B7	E-8
D8B8	E-5
D8B9	E-5
D8C0	E-5
D8C1	A-8
D8C2	A-8
D8C3	A-8
D8C4	A-8
D8C5	A-7
D8C6	A-7
D8C7	A-6

SYMBOL NO.	ADDRESS
D8C8	E-8
D8C9	E-8
D8D0	E-8
D8D1	B-7
D8D2	A-7
D8D3	A-7
D8D4	B-8
D8D5	B-8
D8D6	B-7
D8D7	D-8
D8D8	D-8
D8D9	C-7
D8E0	D-7
D8E1	C-8
D8E2	C-8
D8E3	B-3
D8E4	B-7
D8E5	A-7
D8E6	C-7
D8E7	C-7
D8E8	C-8
D8E9	A-7
IC801	D-6
IC802	B-4
IC803	B-5
IC805	B-6
IC806	B-6
IC807	E-4
IC8A0	B-1
IC8A1	A-2
IC8A2	C-2
IC8A3	D-1
IC8A4	C-2
IC8A5	E-2
IC8A6	D-2
IC8A7	D-3
IC8A8	C-1
IC8A9	C-3
IC8B0	B-3
IC8B1	C-5
IC8B2	C-5
IC8B3	D-6
IC8B4	B-8
IC8B5	C-1
IC8B6	D-8
IC8B7	D-7
L801	A-4
L802	B-5
L803	A-6
L804	B-6
L805	D-5

SYMBOL NO.	ADDRESS
L8A0	B-2
L8A1	A-2
L8A2	B-2
L8A3	D-2
L8A4	C-2
L8A5	E-2
L8A6	D-2
L8A7	D-3
L8A8	C-3
L8A9	B-4
L8B0	B-1
L8B1	D-1
L8B2	D-1
L8B3	D-1
L8B4	D-1
L8B5	C-1
L8B6	C-1
L8B7	D-8
L8B8	D-7
Q801	B-5
Q807	D-4
Q808	B-5
Q809	B-6
Q811	D-4
Q813	D-4
Q814	E-4
Q816	D-4
Q8A0	E-4
Q8A1	E-3
Q8A2	E-3
Q8A3	E-3
Q8A4	E-8
Q8A5	E-8
Q8A6	E-8
Q8A7	A-8
Q8A8	B-8
Q8A9	B-7
Q8B0	A-6
Q8B1	A-6
Q8B2	A-7
Q8B3	A-6
Q8B4	C-8
Q8B5	B-3
Q8B6	D-7
Q8B7	C-8
Q8B8	D-8
Q8B9	D-7
Q8C0	C-7
Q8C1	D-7
Q8C2	A-6
Q8C3	A-8
Q8C4	C-5

SYMBOL NO.	ADDRESS
Q8C5	C-5
Q8C6	D-5
Q8C7	A-8
Q8C8	A-8
Q8C9	A-7
Q8D1	B-7
Q8D2	A-5
Q8D6	B-8
TP6R	C-7
VR8A0	E-5
VR8A1	C-8
VR8A2	C-7
VR8A3	C-7
VR8A4	B-7
VR8A5	A-7
VR8A6	C-6
VR8A7	C-6
VR8A8	C-7
VR8A9	B-3
VR8B0	C-6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8
9
LC452
LC451
LC453
C451
C452
C454
C455
C471
C472
D475
D451
D452
D453
D650
R4021
R494
R452
R453

PCB — VCJ

SYMBOL NO.	ADDRESS
D215	D-5
D216	D-6
D217	E-5
D220	E-4
D221	E-4
D2A1	B-4
D2A2	B-4
D401	C-5
D410	D-6
D411	D-6
D413	D-2
D414	D-2
D417	E-2
D418	E-2
D451	B-8
D452	C-8
D453	C-8
D454	E-7
D455	D-7
D460	F-4
D467	E-7
D472	F-7
D473	F-7
D474	E-6
D475	B-7
D476	F-8

SYMBOL NO.	ADDRESS
L605	D-4
L606	D-4
L650	B-6
L651	B-6
LC451	A-8
LC452	A-7
LC453	B-7
LC454	E-8
LC650	B-4
Q201	D-5
Q202	D-5
Q203	D-5
Q204	D-5
Q205	D-5
Q206	E-5
Q207	E-5
Q251	C-2
Q252	C-1
Q2A1	B-2
Q2A2	C-1
Q2A3	B-2
Q2A4	B-1
Q2A5	B-2
Q2A7	B-1

SYMBOL NO.	ADDRESS
Q469	A-6
Q470	A-7
Q602	D-4
Q603	D-4
Q604	D-4
Q605	C-3
Q606	C-3
Q607	D-3
Q608	D-3
Q609	D-3
Q610	D-3
T451	F-6
T650	C-6
TP1A	B-1
TP1D	A-3
TP1E	B-4
TP1H	C-5
TP1K	E-5
TP1L	C-4
TP46B	C-4
TP46G	D-4
TP46R	C-4
TP4B	D-3
TP4G	D-3

ADDRESS
B-2
A-2
B-2
D-2
C-2
E-2
D-2
D-3
C-3
B-4
B-1
D-1
D-1
D-1
D-1
C-1
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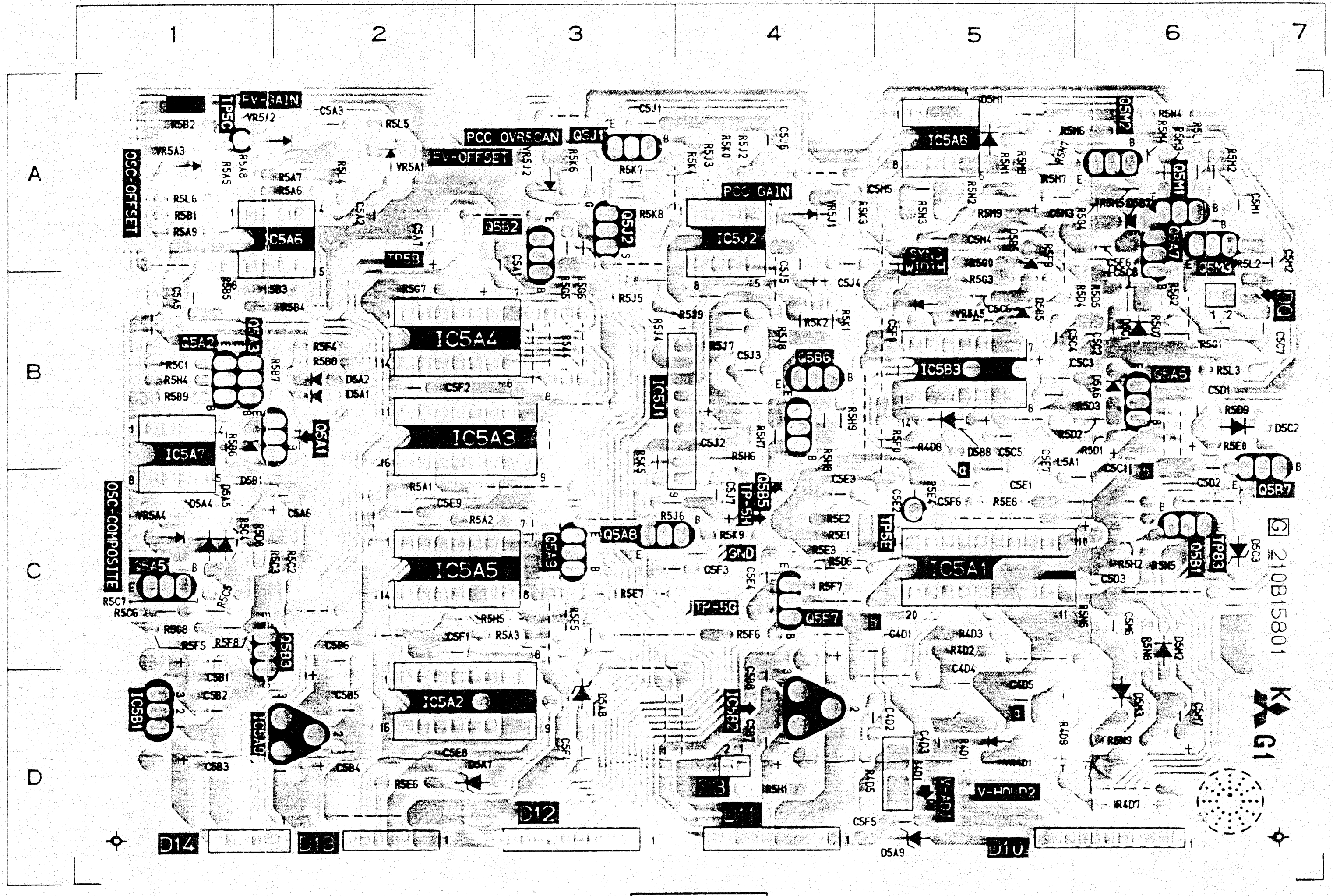
A-6
C-8
B-3
D-7
C-8
D-8
D-7
C-7
D-7
A-6
A-8
C-5

SYMBOL NO.	ADDRESS
Q8C5	C-5
Q8C6	D-5
Q8C7	A-8
Q8C8	A-8
Q8C9	A-7
Q8D1	B-7
Q8D2	A-5
Q8D6	B-8
TP6R	C-7
VR8A0	E-5
VR8A1	C-8
VR8A2	C-7
VR8A3	C-7
VR8A4	B-7
VR8A5	A-7
VR8A6	C-6
VR8A7	C-6
VR8A8	C-7
VR8A9	B-3
VR8B0	C-6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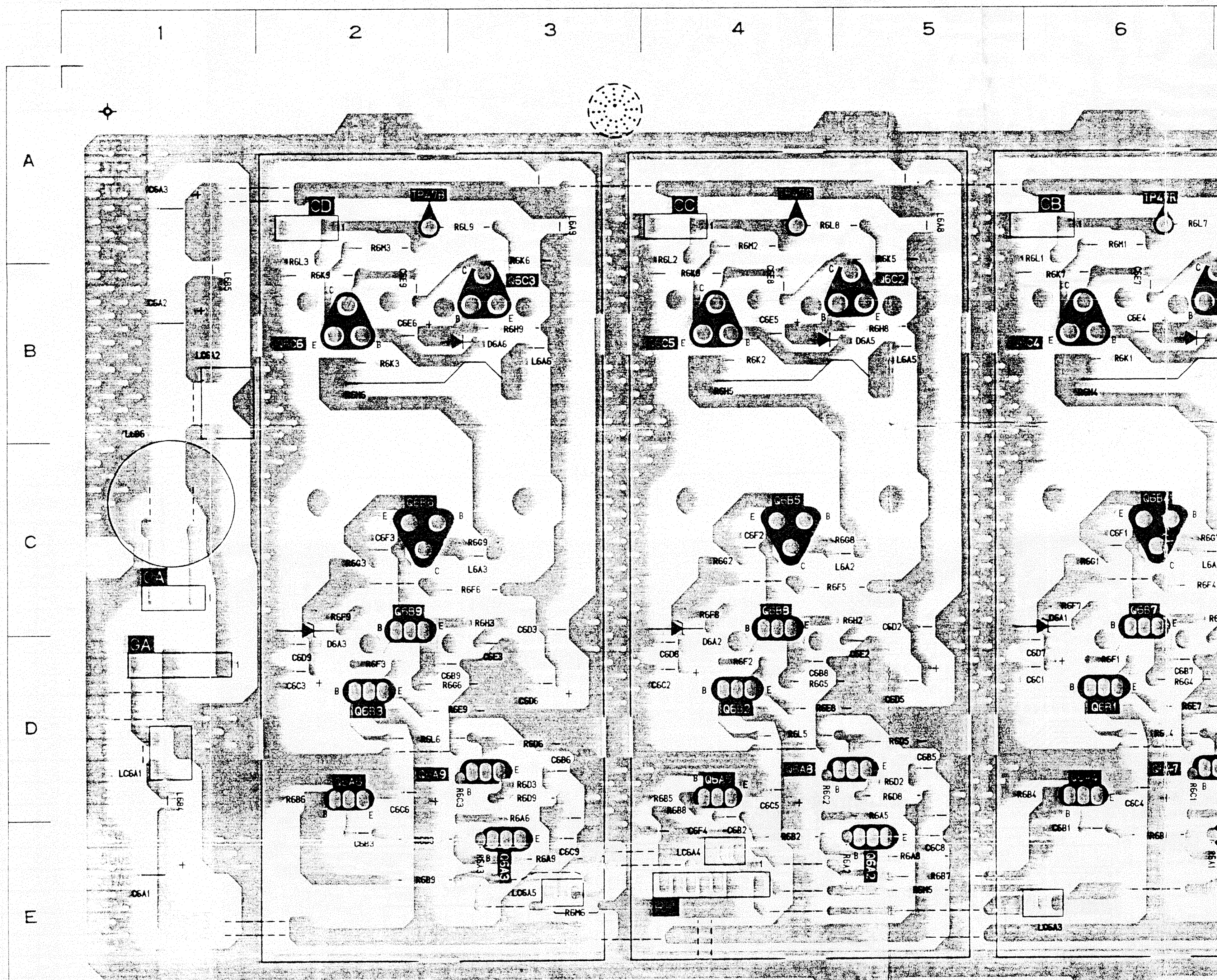
3
4
5
6
7
A
B
C
D
OSC-OFFSET
FV-GAIN
PCC OVRSCAN
FV-OFFSET
PCC GAIN
IC5A6
IC5A8
IC5J2
IC5A4
IC5A3
IC5A5
IC5A2
IC5A7
IC5A1
IC5B3
IC5J1
OSC-COMPOSITE
TP-5A
TP-5G
GND
V-HOLD2
D14
D13
D12
D10
210B15801
G1

PCB-FV

PCB – FV

SYMBOL NO.	ADD
D5A1	B
D5A2	B
D5A4	C
D5A5	C
D5A6	B
D5A7	D
D5A8	D
D5A9	D
D5B1	C
D5B5	B
D5B6	A
D5B7	A
D5B8	B
D5C1	B
D5C2	B
D5C3	C
D5M1	A
D5M2	C
D5M3	D
IC5A1	C
IC5A2	D
IC5A3	B
IC5A4	B
IC5A5	C
IC5A6	A
IC5A7	B
IC5A8	A
IC5A9	D
IC5B1	D
IC5B2	D
IC5B3	B
IC5J1	B
IC5J2	A
L5A1	B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B
C
D
E
CD
CC
CB
GA
KA
R6L9
R6L8
R6L7
R6M3
R6M2
R6M1
R6K3
R6K2
R6K1
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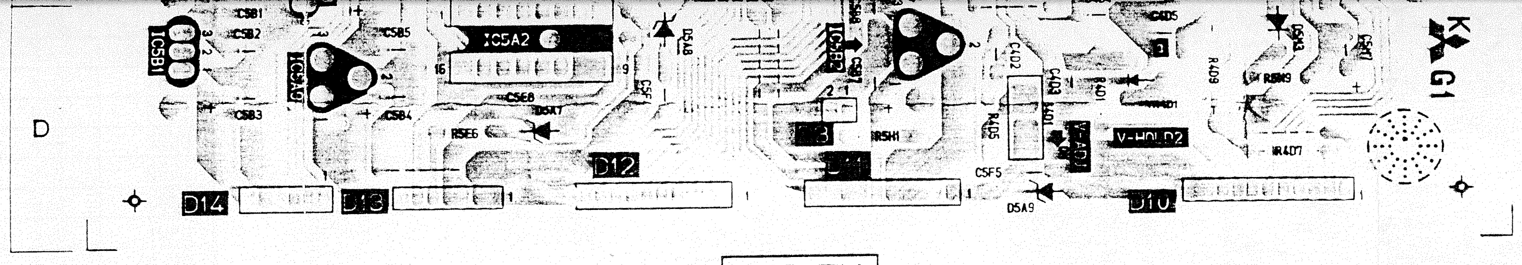
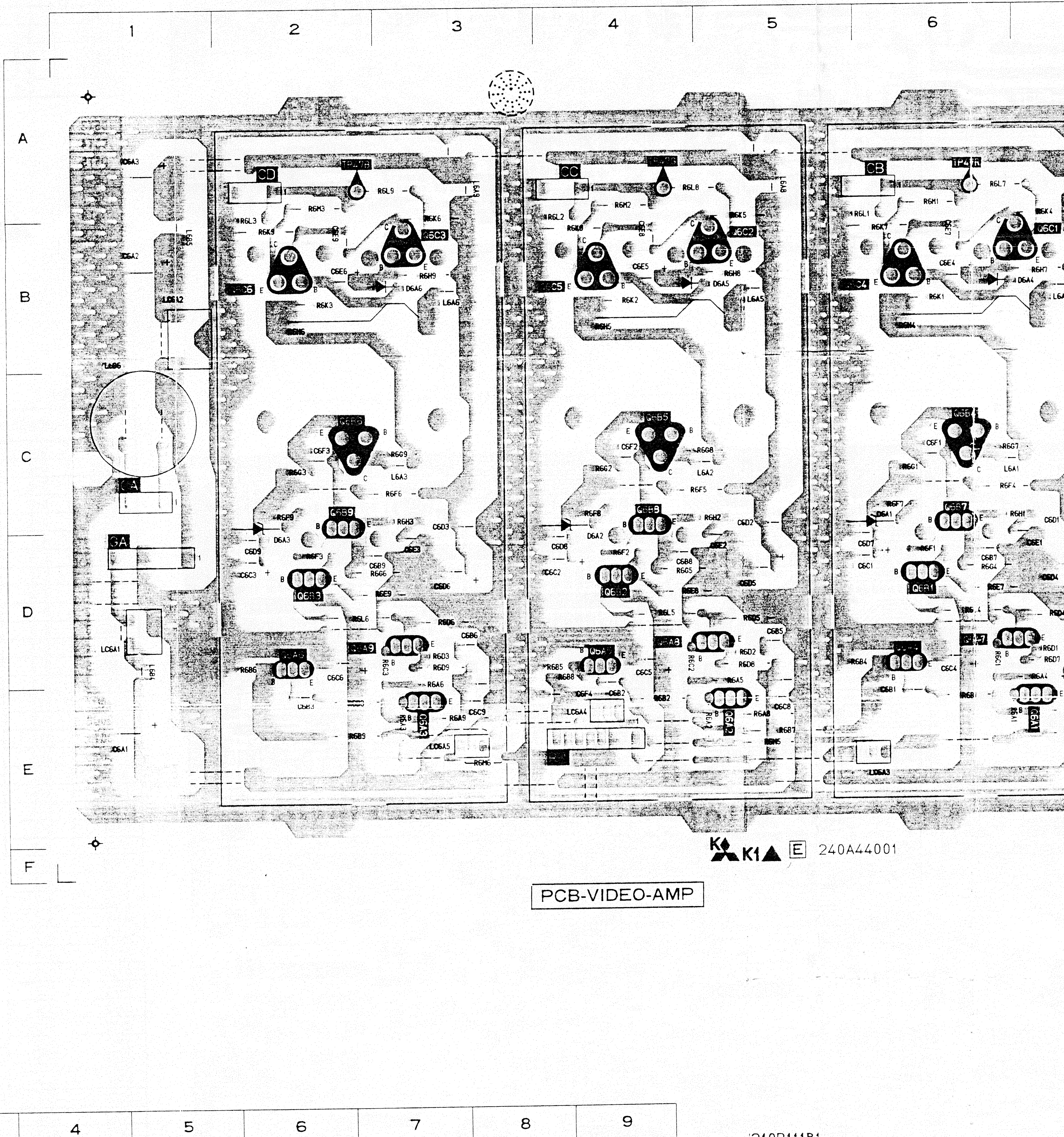
L6A2
L6A5
L6A4
D6A3
D6A2
D6A1
C6D3
C6D2


D
IC5B1
IC5A2
IC5A9
D14
D13
D12
D10
V-HOLD2
C5F5
D5A9
G1

PCB-FV

IC5A6	A-2
IC5A7	B-1
IC5A8	A-5
IC5A9	D-1
IC5B1	D-1
IC5B2	D-4
IC5B3	B-5
IC5J1	B-3
IC5J2	A-4
L5A1	B-6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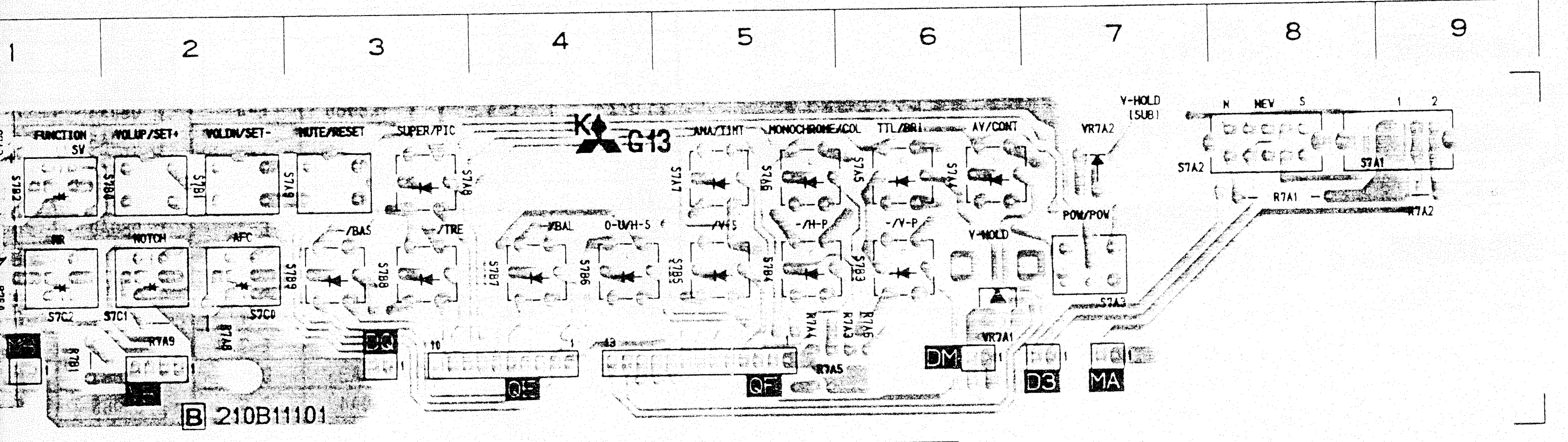
6
A
B
C
D
E
F
CD
CC
CB
CA
GA
TP47B
TP47R
Q6C3
Q6C2
Q6C1
Q6B6
Q6B5
Q6B9
Q6B8
Q6B7
Q6B3
Q6B1
Q6A9
Q6A8
Q6A3
Q6A2
Q6A1
K1
E
240A44001

PCB-VIDEO-AMP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2
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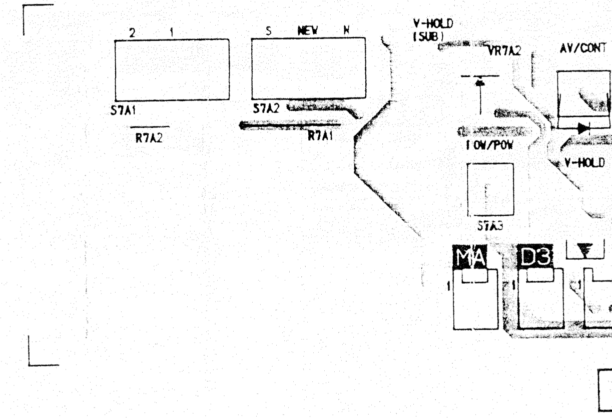
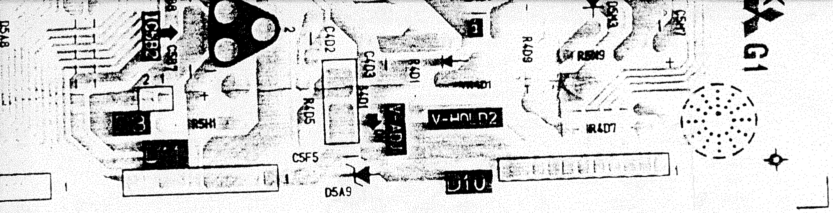
5
6
7
8
9
FUNCTION
SV
VOLUP/SET+
VOLDN/SET-
MUTE/RESET
SUPER/PIC
G13
ANA/TINT
MONOCHROME/COL
TTL/BRI
AV/CONT
V-HOLD
(SUB)
VR7A2
NOTCH
AFC
-/BAS
-/TRE
-/BAL
O-U/H-S
-/V-S
-/H-P
-/V-P
V-HOLD
POW/POW
S7A3
VR7A1
R7A9
R7A5
DQ
QE
QF
DM
D3
MA
B
210B11101

PCB-CONTROL(FOIL SIDE)

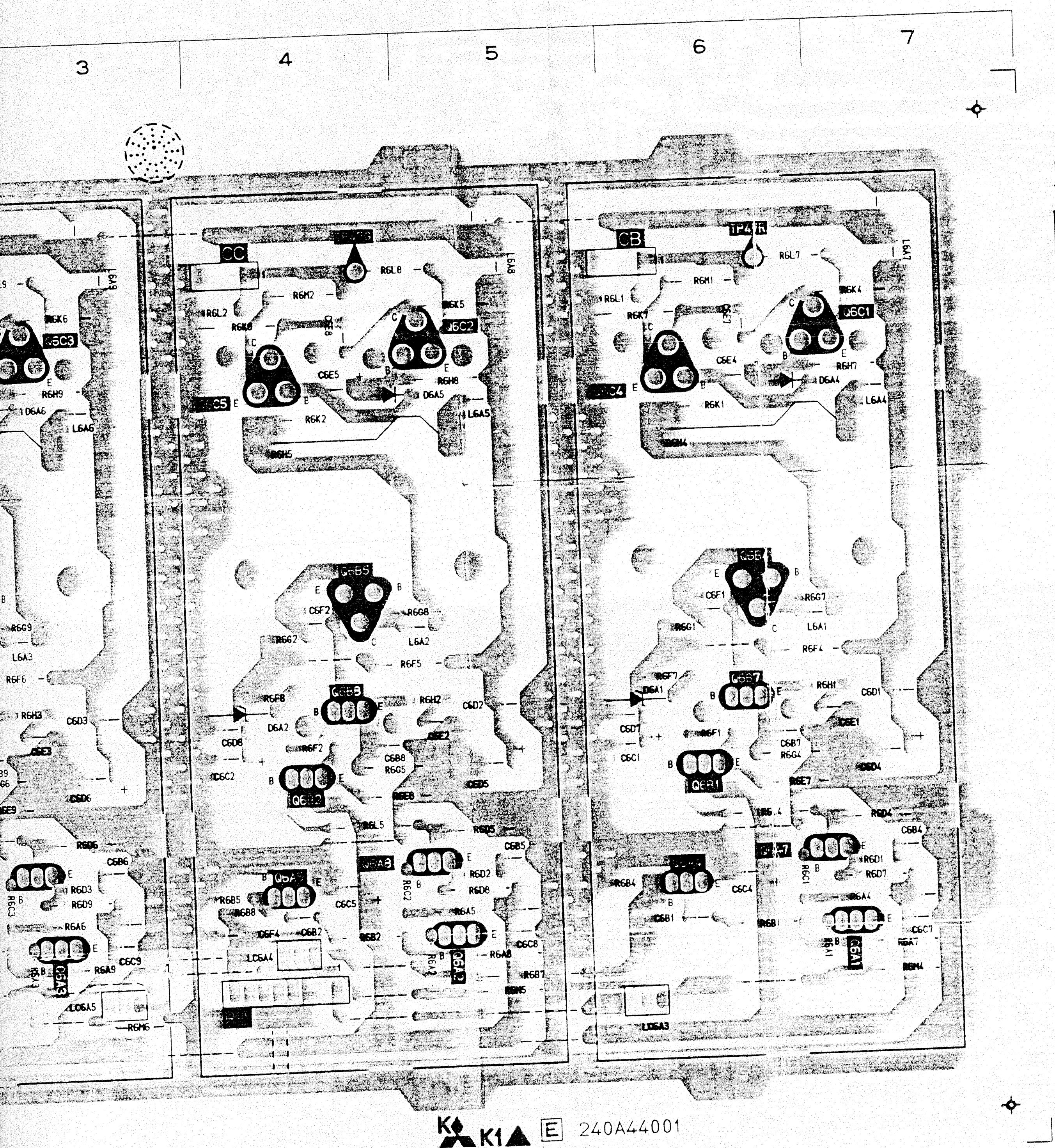

210B111B1
V-HOLD
(SUB)
VR7A2
AV/CONT
S7A1
S7A2
R7A2
R7A1
POW/POW
V-HOLD
S7A3
MA
D3


V-HOLD2
D5A9
CSF5
G1

PCB-FV

IC5A7	B-1
IC5A8	A-5
IC5A9	D-1
IC5B1	D-1
IC5B2	D-4
IC5B3	B-5
IC5J1	B-3
IC5J2	A-4
L5A1	B-6

TP83	C-6
VR4D1	D-5
VR5A1	A-2
VR5A2	A-2
VR5A3	A-1
VR5A4	C-1
VR5A5	B-5
VR5J1	A-4
VR5J2	A-3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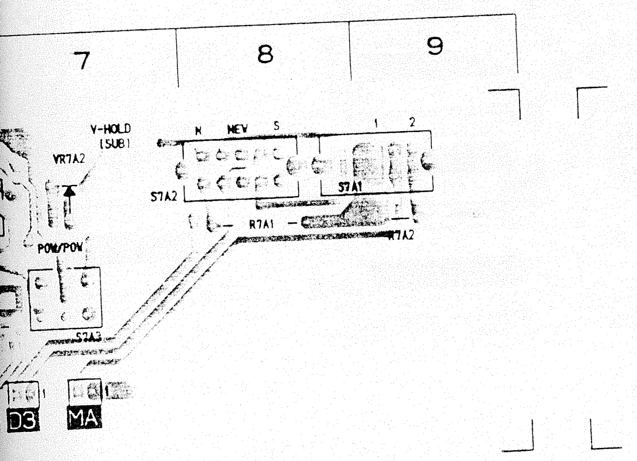
6
7
CC
CB
TP47R
Q6C3
Q6C2
Q6C1
Q6B5
Q6B4
Q6B8
Q6B7
Q6A1
240A44001

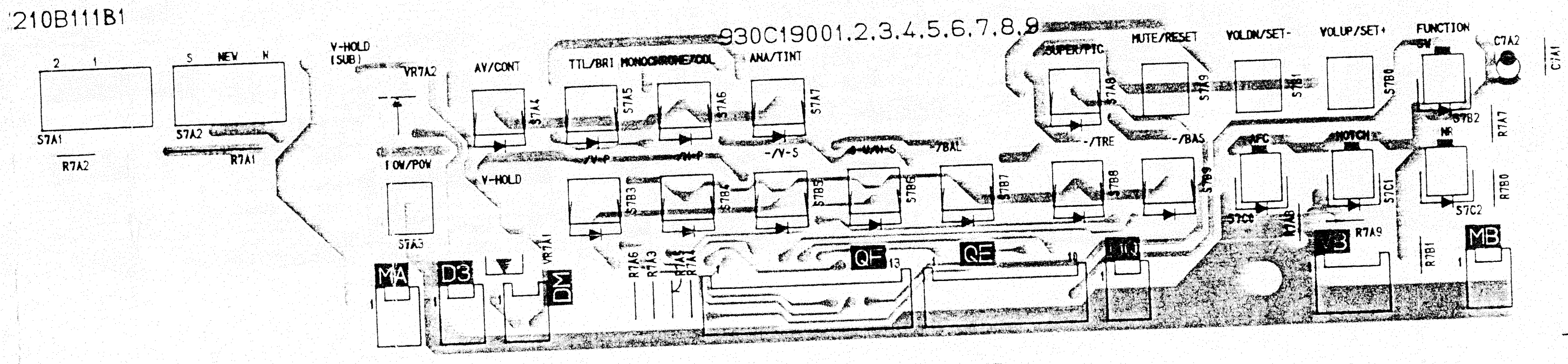
PCB-VIDEO-AMP

PCB – VIDEO – AMP

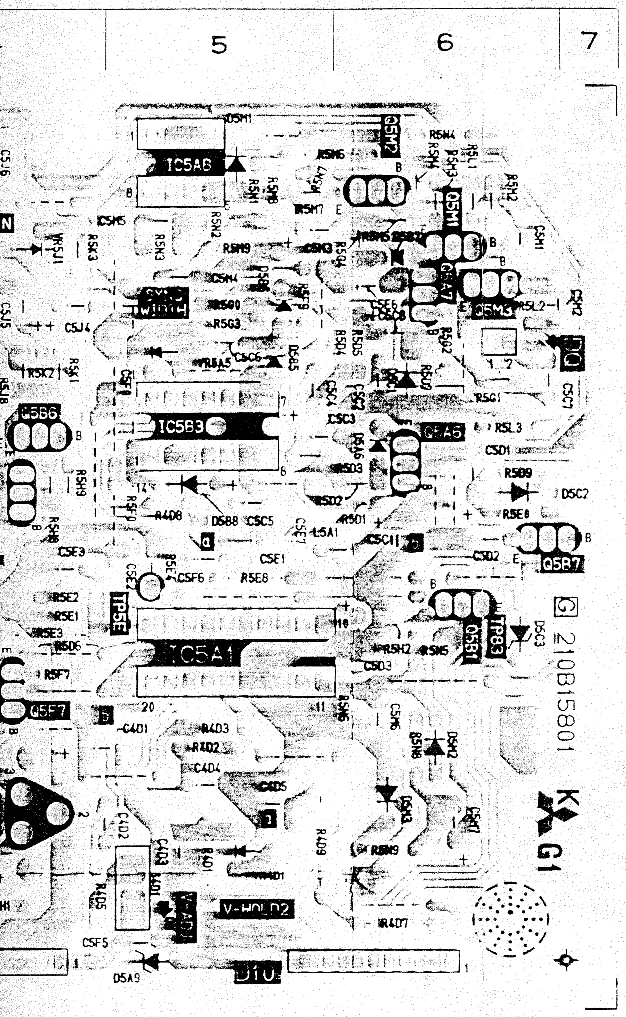
SYMBOL NO.	ADDRESS
D6A1	C-6
D6A2	D-4
D6A3	D-2
D6A4	B-7
D6A5	B-5
D6A6	B-3
L6A1	C-7
L6A2	C-5
L6A3	C-3
L6A4	B-7
L6A5	B-5
L6A6	B-3
L6A7	A-7
L6A8	A-5
L6A9	A-3
L6B4	D-1
L6B5	B-1
L6B6	B-1
LC6A1	D-1
LC6A2	B-1
LC6A3	E-6
LC6A4	E-4
LC6A5	E-3
Q6A1	E-7

SYMBOL NO.	ADDRESS
Q6A2	E-5
Q6A3	E-3
Q6A4	D-6
Q6A5	D-4
Q6A6	D-2
Q6A7	D-6
Q6A8	D-4
Q6A9	D-2
Q6B1	D-6
Q6B2	D-4
Q6B3	D-2
Q6B4	C-6
Q6B5	C-4
Q6B6	C-2
Q6B7	C-6
Q6B8	C-4
Q6B9	C-2
Q6C1	B-7
Q6C2	B-5
Q6C3	B-3
Q6C4	B-6
Q6C5	B-4
Q6C6	B-2
TP47B	A-2
TP47G	A-4
TP47R	A-6


7
8
9
V-HOLD (SUB)
VR7A2
S7A2
S7A1
R7A1
R7A2
POW/POV
S7A3
D3
MA


210B111B1
930C19001.2.3.4.5.6.7.8.9
V-HOLD (SUB)
AV/CONT
TTL/BRI
MONOCHROME/COOL
ANA/TINT
SUPER/PIC
MUTE/RESET
VOLDN/SET-
VOLUP/SET+
FUNCTION
S7A1
S7A2
R7A1
R7A2
POW/POV
S7A3
MA
D3
DM
QF
QE
MB

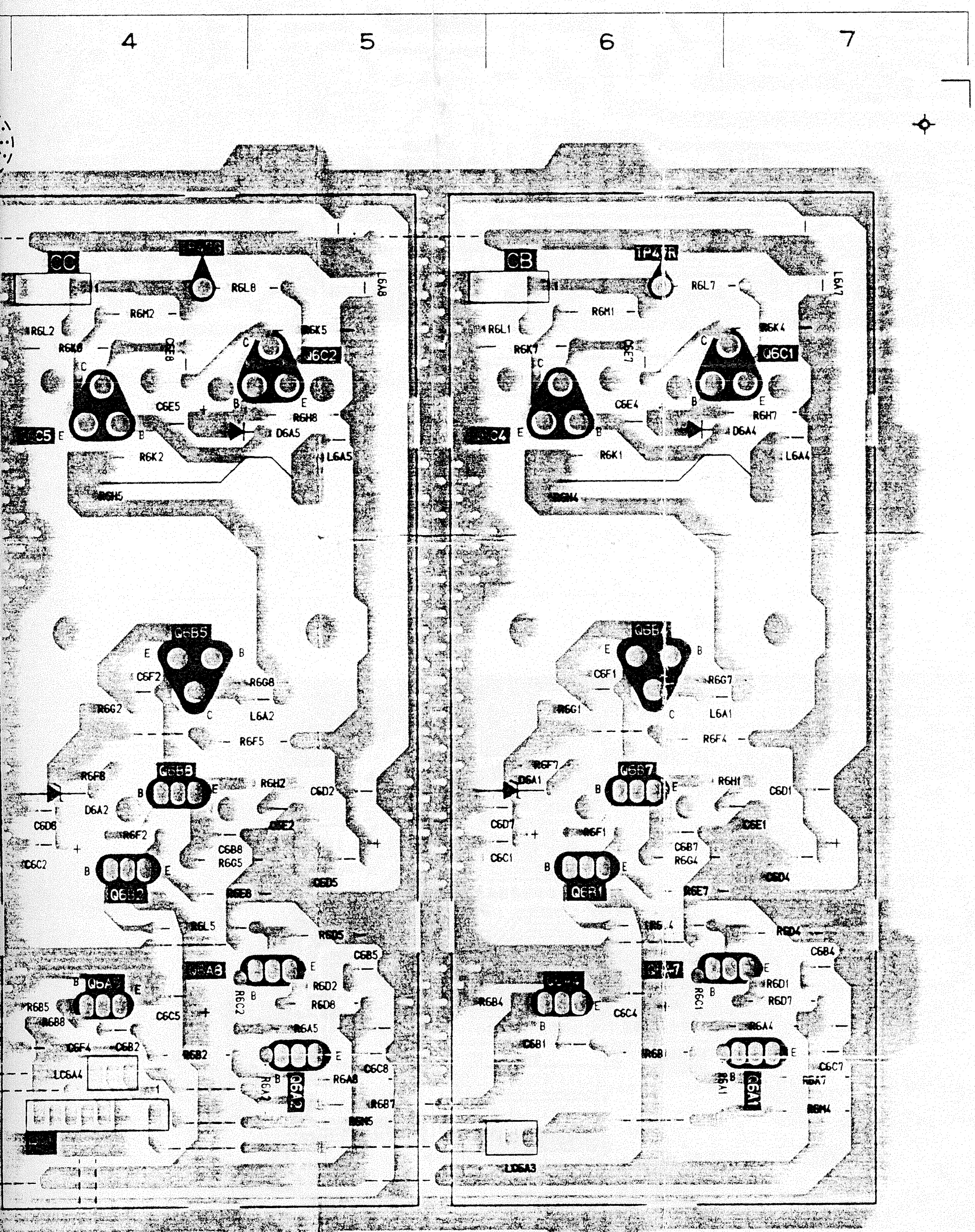
PCB-CONTROL(PARTS SIDE)


5
6
7
IC5A6
IC5B3
IC5A1
Q5M1
Q5M3
Q5B7
TP83
210B15801
K
G1
V-HOLD2
D5A9

PCB – FV

SYMBOL NO.	ADDRESS
D5A1	B-2
D5A2	B-2
D5A4	C-1
D5A5	C-1
D5A6	B-6
D5A7	D-3
D5A8	D-3
D5A9	D-5
D5B1	C-2
D5B5	B-5
D5B6	A-5
D5B7	A-6
D5B8	B-5
D5C1	B-6
D5C2	B-7
D5C3	C-6
D5M1	A-5
D5M2	C-6
D5M3	D-6
IC5A1	C-5
IC5A2	D-3
IC5A3	B-3
IC5A4	B-3
IC5A5	C-3
IC5A6	A-2
IC5A7	B-1
IC5A8	A-5
IC5A9	D-1
IC5B1	D-1
IC5B2	D-4
IC5B3	B-5
IC5J1	B-3
IC5J2	A-4
L5A1	B-6

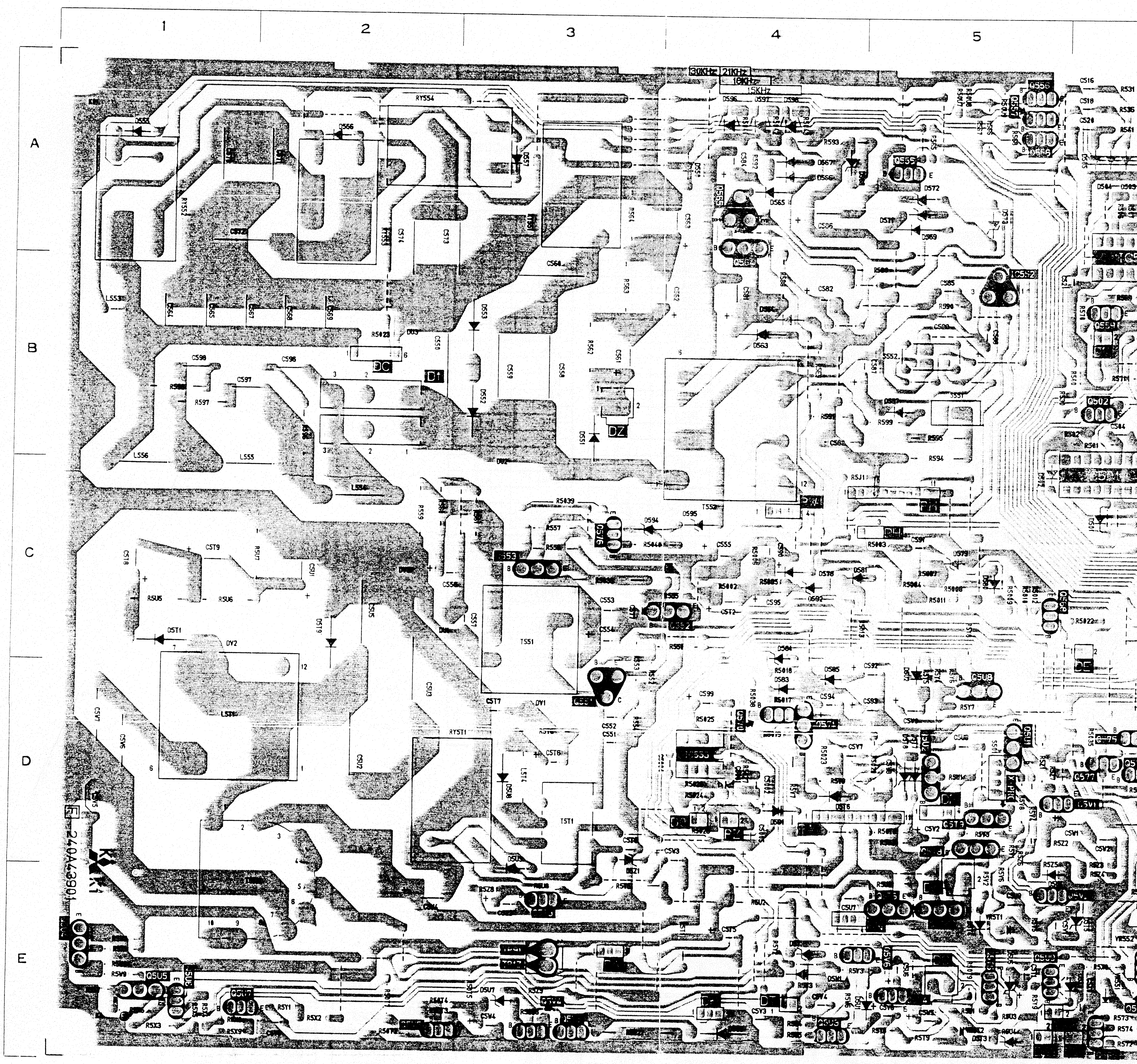
SYMBOL NO.	ADDRESS
Q5A1	B-2
Q5A2	B-1
Q5A3	B-1
Q5A5	C-1
Q5A6	B-6
Q5A7	A-6
Q5A8	C-3
Q5A9	C-3
Q5B1	C-6
Q5B2	A-3
Q5B3	C-2
Q5B5	C-4
Q5B6	B-4
Q5B7	C-7
Q5E7	C-4
Q5J1	A-3
Q5J2	A-3
Q5M1	A-6
Q5M2	A-6
Q5M3	A-6
TP-5G	C-4
TP-5H	C-4
TP5B	A-2
TP5C	A-1
TP5E	C-5
TP83	C-6
VR4D1	D-5
VR5A1	A-2
VR5A2	A-2
VR5A3	A-1
VR5A4	C-1
VR5A5	B-5
VR5J1	A-4
VR5J2	A-3


4
5
6
7
CC
CB
TP47R
Q6C2
Q6C1
Q6B5
Q6B8
Q6B7
L6A2
L6A1
D6A2
D6A1
L6A5
L6A4
Q6A1
LC6A4
LC6A3

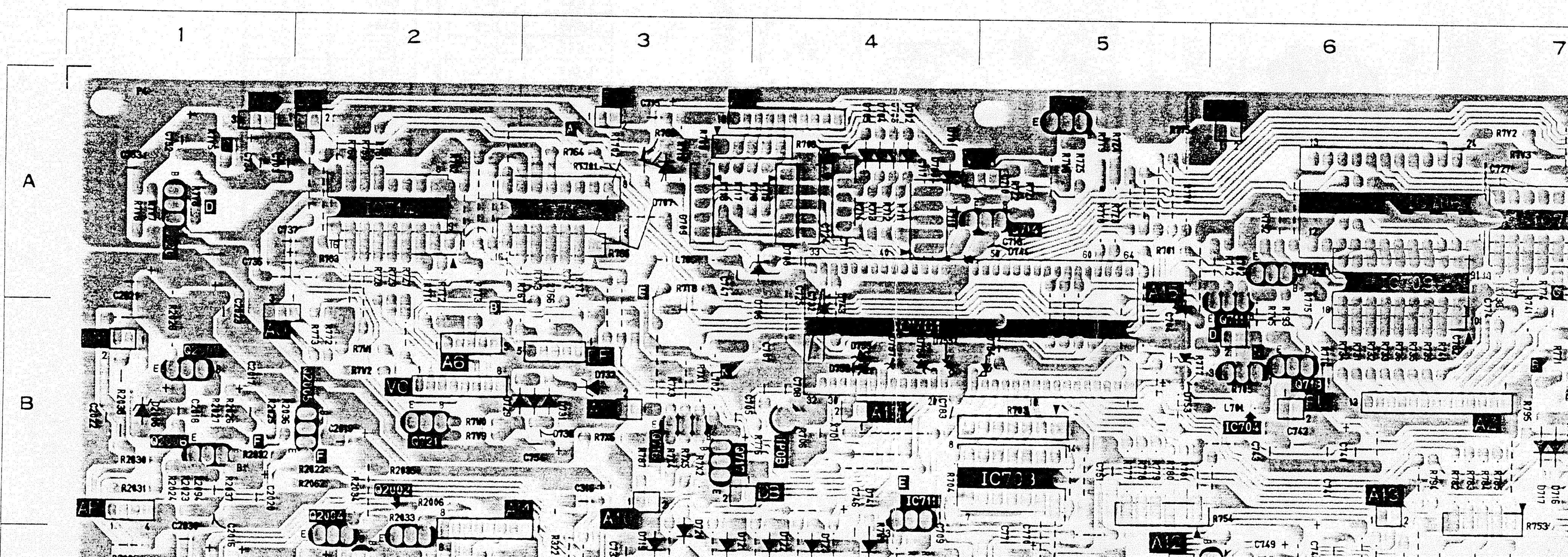
PCB – VIDEO – AMP

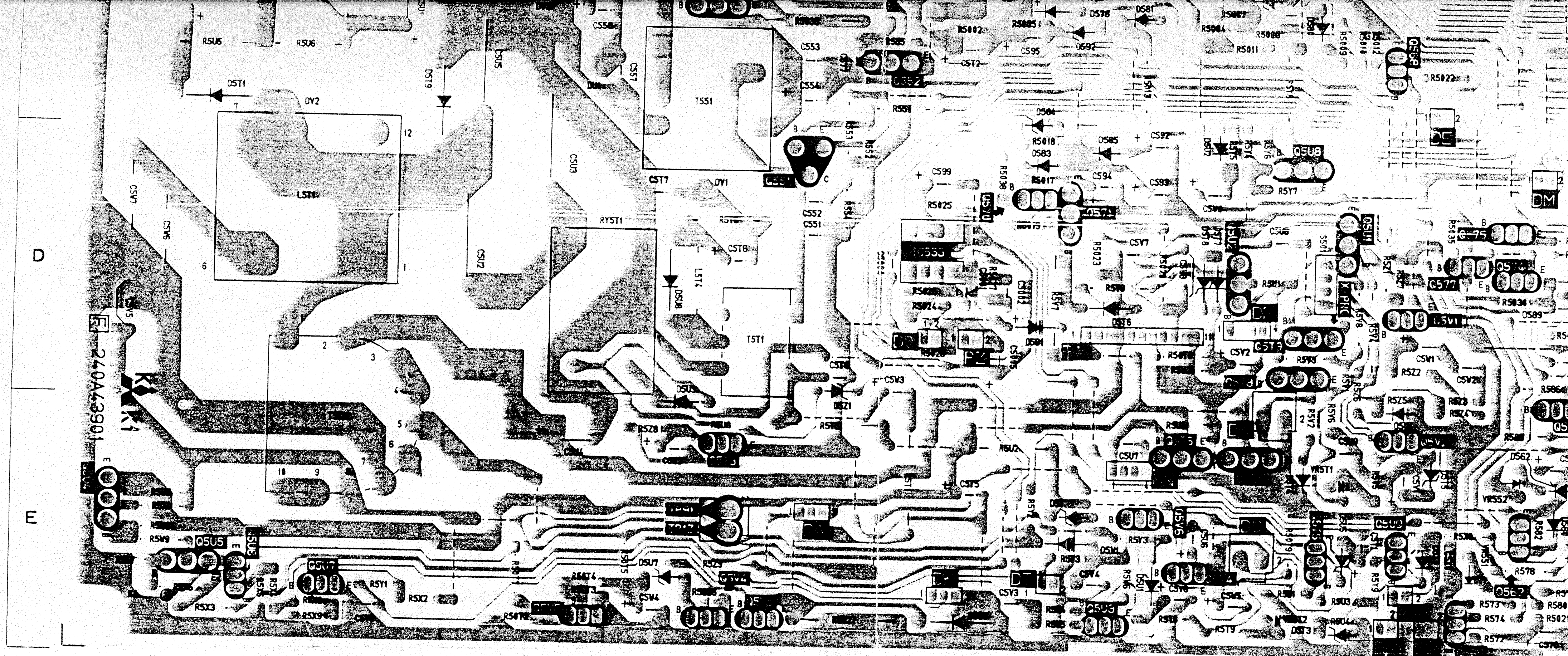
SYMBOL NO.	ADDRESS
D6A1	C-6
D6A2	D-4
D6A3	D-2
D6A4	B-7
D6A5	B-5
D6A6	B-3
L6A1	C-7
L6A2	C-5
L6A3	C-3
L6A4	B-7
L6A5	B-5
L6A6	B-3
L6A7	A-7
L6A8	A-5
L6A9	A-3
L6B4	D-1
L6B5	B-1
L6B6	B-1
LC6A1	D-1
LC6A2	B-1
LC6A3	E-6
LC6A4	E-4
LC6A5	E-3
Q6A1	E-7

SYMBOL NO.	ADDRESS
Q6A2	E-5
Q6A3	E-3
Q6A4	D-6
Q6A5	D-4
Q6A6	D-2
Q6A7	D-6
Q6A8	D-4
Q6A9	D-2
Q6B1	D-6
Q6B2	D-4
Q6B3	D-2
Q6B4	C-6
Q6B5	C-4
Q6B6	C-2
Q6B7	C-6
Q6B8	C-4
Q6B9	C-2
Q6C1	B-7
Q6C2	B-5
Q6C3	B-3
Q6C4	B-6
Q6C5	B-4
Q6C6	B-2
TP47B	A-2
TP47G	A-4
TP47R	A-6

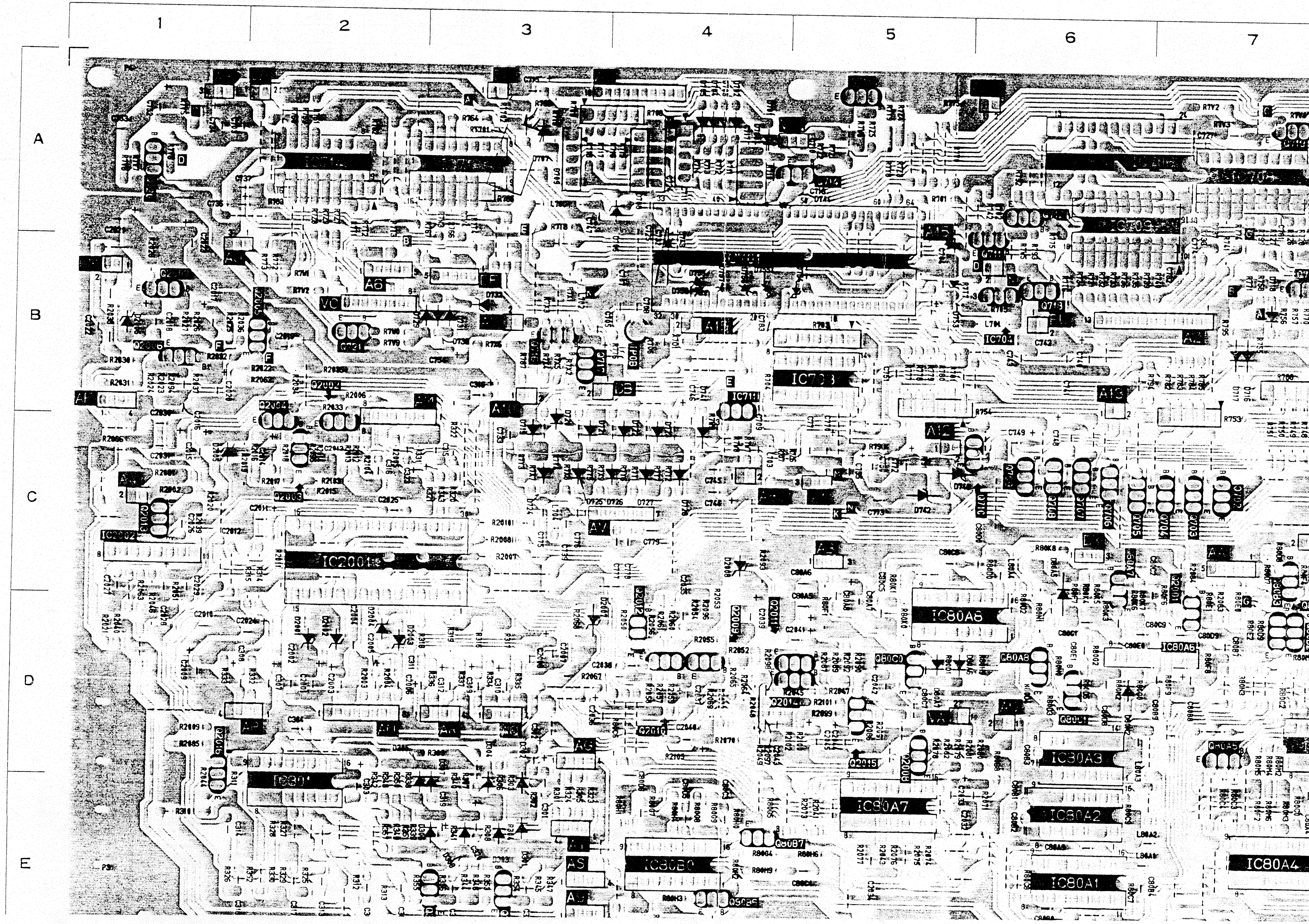

1
2
3
4
5
A
B
C
D
E
30KHz
21KHz
18KHz
15KHz
240A4390

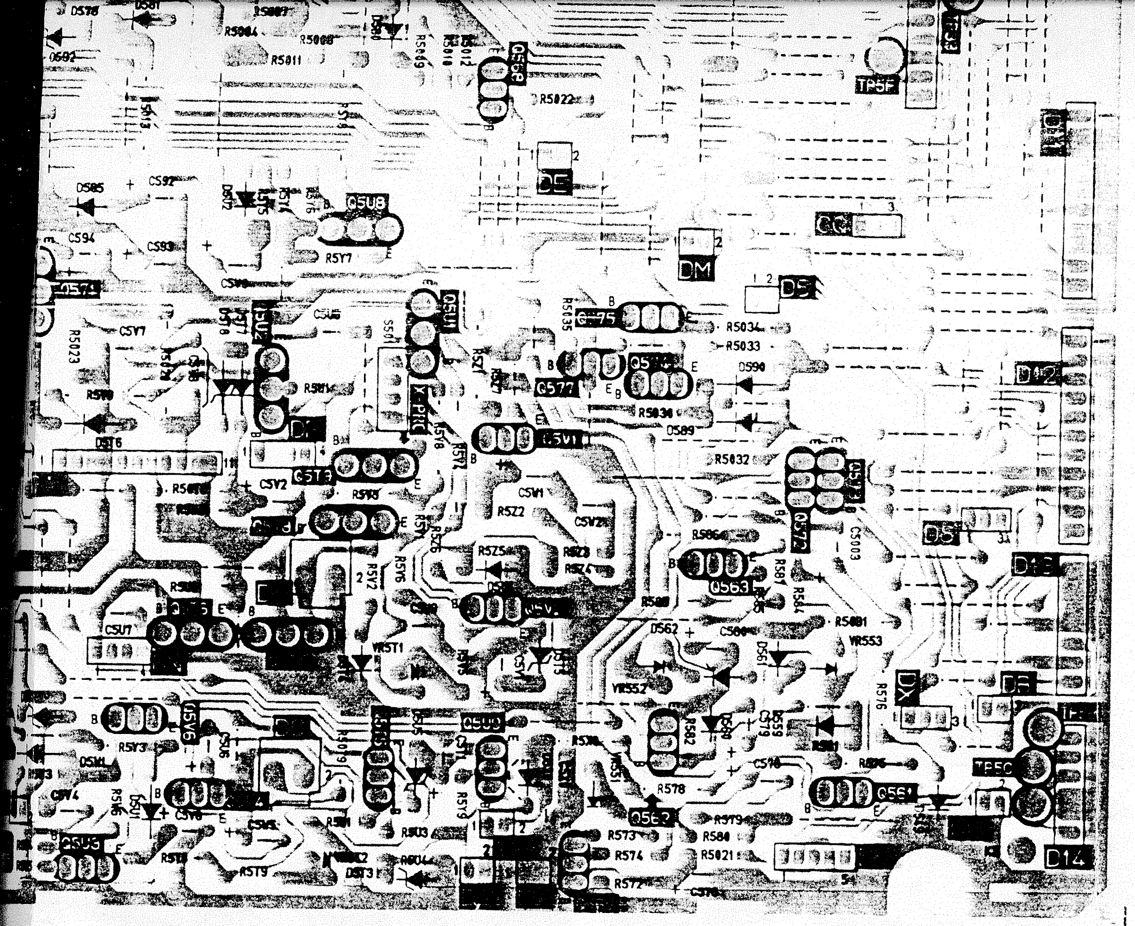
PCB-DEFL




D
E
TS51
TST1
LST1
DY1
DY2
240A4390

PCB-DEFL

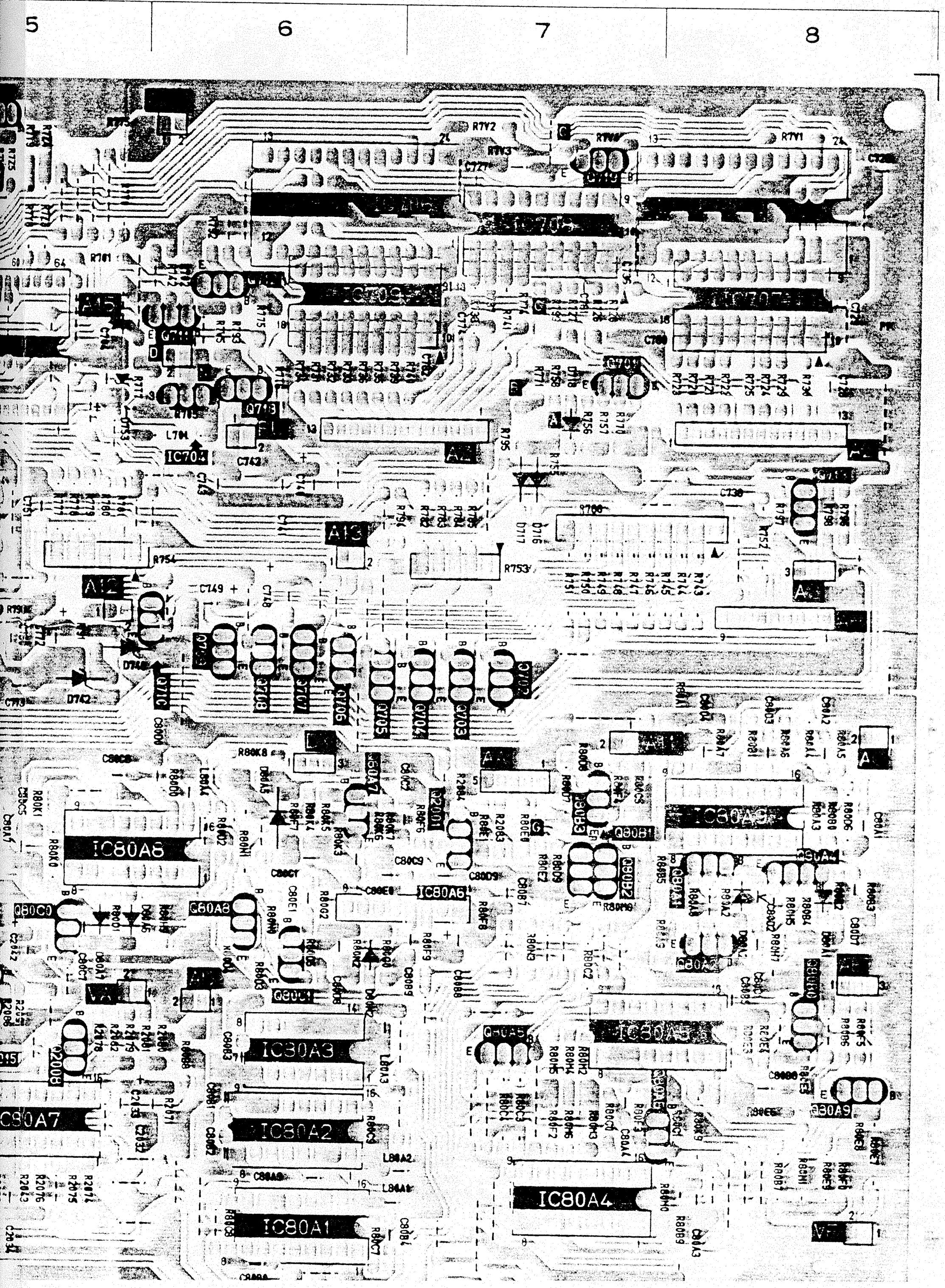

1
2
3
4
5
6
7
A
B
C
D
E
IC2001
IC703
IC704
IC80A8
IC80A7
IC80A2
IC80A1
IC80A3
IC80A4
IC80B0
IC301



D581	C-4
D583	D-4
D584	C-4
D585	C-4
D587	B-5
D589	D-6
D590	D-6
D591	D-4
D592	C-4
D594	C-3
D595	C-4
D596	A-4
D597	A-4
D598	A-4
D5T1	C-1
D5T2	E-4
D5T3	E-5
D5T4	E-5
D5T5	E-5
D5T6	D-4
D5T7	D-5
D5T8	D-5
D5T9	C-2

Q507	A-6
Q551	D-3
Q552	C-4
Q553	C-3
Q555	A-5
Q556	A-5
Q557	A-5
Q558	A-5
Q559	B-6
Q560	E-6
Q561	E-6
Q562	E-6
Q563	D-6
Q564	A-4
Q565	A-4
Q568	C-5
Q570	D-4
Q571	D-4
Q572	D-6
Q573	D-6
Q574	D-6
Q575	D-6
Q576	C-3

TP32	C-7
TP33	C-6
TP4C	C-7
TP5B	E-7
TP5C	E-7
TP5E	B-7
TP5F	C-6
TP81	C-7
TP83	C-7
TP91	E-3
VR501	B-6
VR502	B-6
VR503	B-6
VR551	E-6
VR552	E-6
VR553	E-6
VR5T1	E-5
VR5T2	E-5

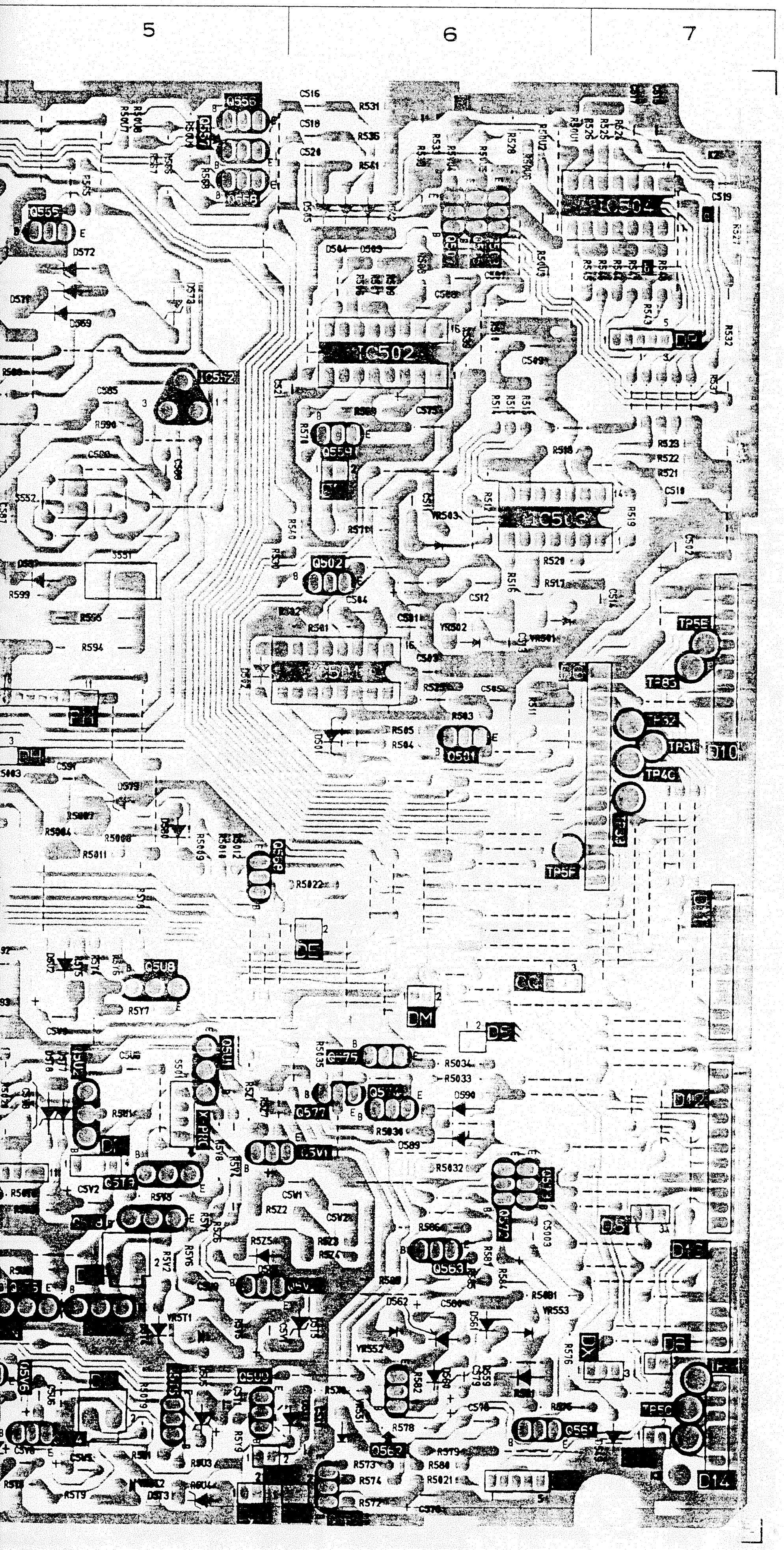


PCB – AV

SYMBOL NO.	ADDRESS
D2001	D-2
D2002	D-2
D2003	D-2
D2004	D-2
D2005	C-1
D2006	B-1
D2007	D-3
D2008	C-4
D301	E-3
D302	D-3
D303	E-3
D304	D-3
D305	D-2
D306	E-3
D307	E-3
D308	E-3
D701	A-4
D702	A-4
D703	A-4
D704	A-4
D705	A-4
D706	B-4
D707	A-3
D708	A-4
D709	A-3
D716	B-7
D717	B-7
D718	B-7
D719	C-3
D720	C-3
D721	C-3
D722	C-4
D723	C-4
D724	C-3
D725	C-3
D726	C-4
D727	C-4
D728	C-4
D729	B-2
D730	B-3
D731	B-3
D732	B-3
D740	C-6
D741	B-4
D742	C-5
D743	B-4
D744	A-5

SYMBOL NO.	ADDRESS
D759	B-4
D780	A-4
D80A1	D-8
D80A2	D-8
D80A5	C-6
D80A6	D-6
D80A7	D-5
D80N2	D-6
IC2001	C-2
IC2002	C-1
IC301	E-2
IC701	B-4
IC703	B-5
IC704	B-6
IC705	A-8
IC706	A-7
IC707	A-8
IC708	A-7
IC709	A-7
IC711	B-4
IC713	A-3
IC714	A-2
IC80A1	E-6
IC80A2	E-6
IC80A3	D-6
IC80A4	E-7
IC80A5	D-8
IC80A6	D-7
IC80A7	E-5
IC80A8	D-6
IC80A9	C-8
IC80B0	E-4
L701	B-6
L702	B-3
L703	C-4
L704	C-3
L705	A-3
L80A1	E-7
L80A2	E-7
L80A3	D-6
L80A4	C-6
Q2001	C-7
Q2002	B-2
Q2003	C-2

SYMBOL NO.	ADDRESS
Q2010	D-4
Q2011	D-4
Q2012	D-4
Q2013	C-1
Q2014	D-5
Q2015	D-5
Q2016	D-1
Q301	E-3
Q302	E-3
Q701	B-7
Q702	C-7
Q703	C-7
Q704	C-7
Q705	C-6
Q706	C-6
Q707	C-6
Q708	C-6
Q709	C-6
Q710	C-6
Q711	B-6
Q712	A-6
Q713	B-8
Q714	A-5
Q715	A-5
Q716	B-3
Q717	B-3
Q718	B-6
Q719	A-7
Q720	A-1
Q721	B-2
Q80A1	D-8
Q80A2	D-8
Q80A4	D-8
Q80A5	D-7
Q80A6	E-8
Q80A7	C-6
Q80A8	D-6
Q80A9	E-8
Q80B0	D-8
Q80B1	C-8
Q80B2	D-7
Q80B3	C-7
Q80B6	E-4
Q80B7	E-5
Q80C0	D-5
Q80C1	D-6

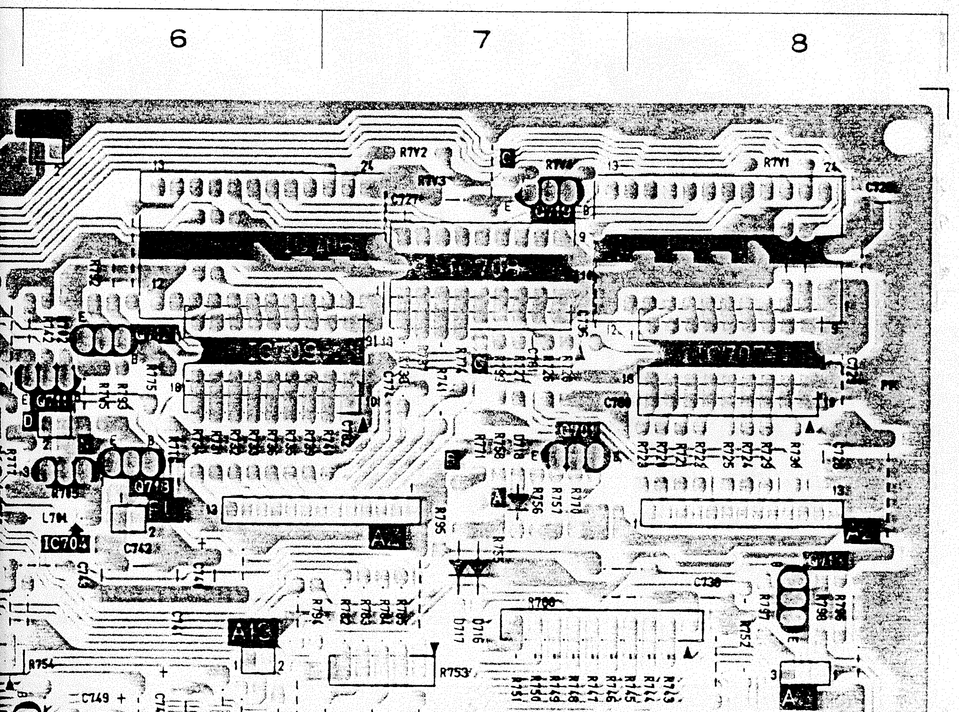


PCB — DEFL

SYMBOL NO.	ADDRESS
D501	C-5
D502	C-5
D503	A-6
D504	A-6
D505	A-5
D549	E-6
D550	A-4
D551	B-3
D552	B-2
D553	B-2
D555	A-1
D556	A-2
D557	A-3
D559	E-6
D560	E-6
D561	E-6
D562	E-6
D563	B-4
D564	B-4
D565	A-4
D566	A-4
D567	A-4
D568	A-4
D569	A-5
D571	A-5
D572	A-5
D573	A-5
D578	C-4
D579	C-5
D580	C-5
D581	C-4
D583	D-4
D584	C-4
D585	C-4
D587	B-5
D589	D-6
D590	D-6
D591	D-4
D592	C-4
D594	C-3
D595	C-4
D596	A-4
D597	A-4
D598	A-4
D5T1	C-1
D5T2	E-4
D5T3	E-5
D5T4	E-5
D5T5	E-5
D5T6	D-4
D5T7	D-5
D5T8	D-5
D5T9	C-2

SYMBOL NO.	ADDRESS
D5U1	E-4
D5U2	D-5
D5U3	D-3
D5U4	E-5
D5U5	E-5
D5U6	E-4
D5U7	E-3
D5U8	D-3
D5W1	E-4
D5X0	E-5
D5Z1	D-3
IC501	B-6
IC502	A-6
IC503	B-6
IC504	A-7
IC552	A-5
IC553	D-4
L553	B-1
L554	C-2
L555	B-1
L556	B-1
L5T1	D-1
L5T4	D-3
Q501	C-6
Q502	B-6
Q503	A-6
Q505	A-6
Q507	A-6
Q551	D-3
Q552	C-4
Q553	C-3
Q555	A-5
Q556	A-5
Q557	A-5
Q558	A-5
Q559	B-6
Q560	E-6
Q561	E-6
Q562	E-6
Q563	D-6
Q564	A-4
Q565	A-4
Q568	C-5
Q570	D-4
Q571	D-4
Q572	D-6
Q573	D-6
Q574	D-6
Q575	D-6
Q576	C-3

SYMBOL NO.	ADDRESS
Q577	D-6
Q5T3	E-3
Q5T4	E-5
Q5T5	E-5
Q5T6	E-5
Q5T7	E-5
Q5T8	D-5
Q5T9	D-5
Q5U1	D-5
Q5U2	D-5
Q5U3	E-4
Q5U4	E-1
Q5U5	E-1
Q5U6	E-1
Q5U7	E-1
Q5U8	C-5
Q5U9	E-5
Q5V1	D-6
Q5V2	E-6
Q5V3	E-3
Q5V4	E-3
Q5V5	E-2
Q5V6	E-5
T551	C-3
T552	C-4
T5T1	D-3
T5T2	E-1
TP1Z	E-3
TP32	C-7
TP33	C-6
TP4C	C-7
TP5B	E-7
TP5C	E-7
TP5E	B-7
TP5F	C-6
TP81	C-7
TP83	C-7
TP91	E-3
VR501	B-6
VR502	B-6
VR503	B-6
VR551	E-6
VR552	E-6
VR553	E-6
VR5T1	E-5
VR5T2	E-5



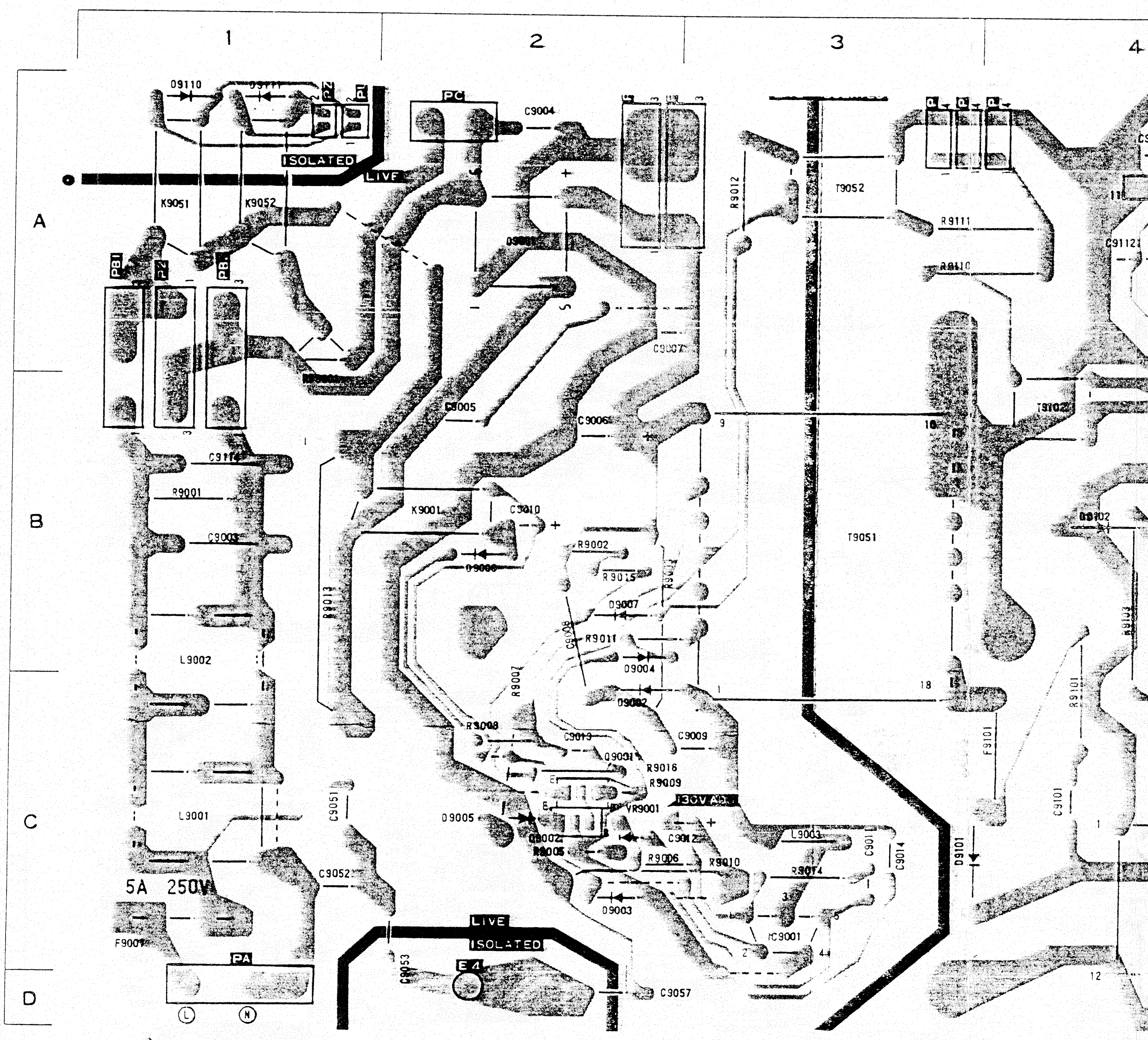
PCB — AV

SYMBOL NO.	ADDRESS
D2001	D-2
D2002	D-2
D2003	D-2
D2004	D-2
D2005	C-1
D2006	B-1
D2007	D-3
D2008	C-4
D301	E-3
D302	D-3
D303	E-3
D304	D-3
D305	D-2
D306	E-3
D307	E-3
D308	E-3
D701	A-4
D702	A-4
D703	A-4
D704	A-4
D705	A-4

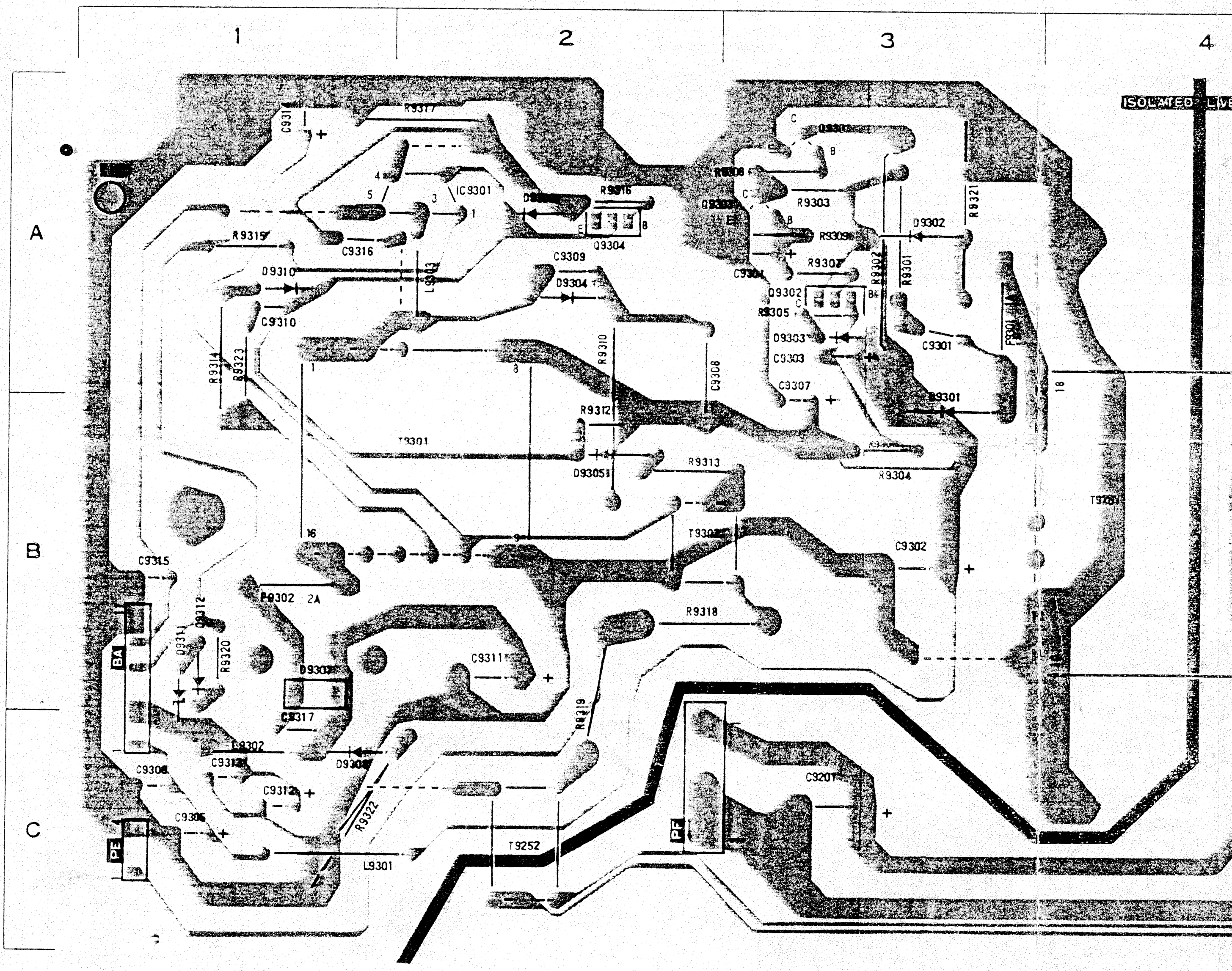
SYMBOL NO.	ADDRESS
D759	B-4
D780	A-4
D80A1	D-8
D80A2	D-8
D80A5	C-6
D80A6	D-6
D80A7	D-5
D80N2	D-6
IC2001	C-2
IC2002	C-1
IC301	E-2
IC701	B-4
IC703	B-5
IC704	B-6
IC705	A-8
IC706	A-7
IC707	A-8
IC708	A-7
IC709	A-7
IC711	B-4

SYMBOL NO.	ADDRESS
Q2010	D-4
Q2011	D-4
Q2012	D-4
Q2013	C-1
Q2014	D-5
Q2015	D-5
Q2016	D-1
Q301	E-3
Q302	E-3
Q701	B-7
Q702	C-7
Q703	C-7
Q704	C-7
Q705	C-6
Q706	C-6
Q707	C-6
Q708	C-6
Q709	C-6
Q710	C-6
Q711	B-6
Q712	A-6

YMBOL NO.	ADDRESS
2577	D-6
25T3	E-3
25T4	E-5
25T5	E-5
25T6	E-5
25T7	E-5
25T8	D-5
25T9	D-5
25U1	D-5
25U2	D-5
25U3	E-4
25U4	E-1
25U5	E-1
25U6	E-1
25U7	E-1
25U8	C-5
25U9	E-5
25V1	D-6
5V2	E-6
5V3	E-3
5V4	E-3
5V5	E-2
5V6	E-5
551	C-3
552	C-4
5T1	D-3
5T2	E-1
P1Z	E-3
P32	C-7
P33	C-6
P4C	C-7
P5B	E-7
P5C	E-7
P5E	B-7
P5F	C-6
P81	C-7
P83	C-7
P91	E-3
R501	B-6
R502	B-6
R503	B-6
R551	E-6
R552	E-6
R553	E-6
R5T1	E-5
R5T2	E-5

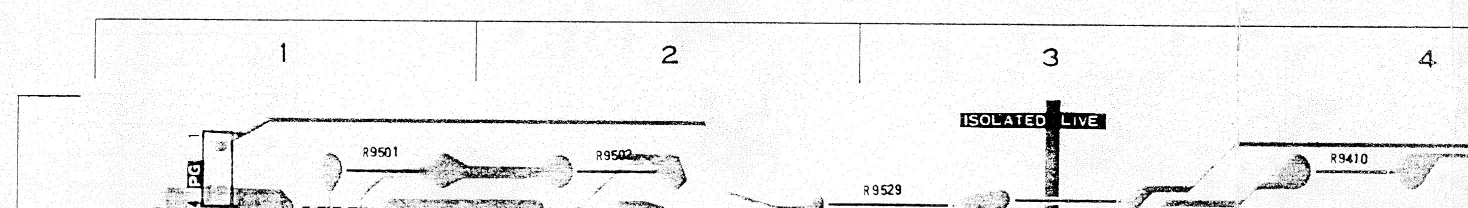

1
2
3
4
A
B
C
D
D9110
D9111
ISOLATED
LIVE
PC
C9004
K9051
K9052
PB1
PB2
PB3
R9012
T9052
R9111
R9110
C9007
C9005
C9006
C9114
R9001
C9003
K9001
C9010
R9002
D9006
R9015
R9013
T9051
L9002
D9007
R9011
D9004
D9002
R9008
C9013
C9009
D9001
R9016
R9009
130V ADJ.
VR9001
C9051
D9005
Q9002
Q9005
C9012
L9003
C9011
C9014
D9101
L9001
R9006
R9010
R9014
C9052
IC9001
5A 250V
F9001
PA
C9053
E4
C9057
L
N
F9101
C9101
R9101

PCB-POWER 1


1
2
3
4
A
B
C
ISOLATED
LIVE
C9314
R9317
IC9301
R9316
Q9304
R9315
C9316
C9309
D9310
D9304
C9310
R9310
R9311
R9323
T9301
R9312
D9305
R9313
Q9303
R9303
R9309
R9307
C9304
Q9302
R9305
D9303
C9303
C9307
D9302
R9321
R9301
C9301
D9301
R9304
T9302
C9302
C9315
R9302
R9318
D9311
D9312
R9320
D9309
C9311
C9317
BA
R9319
C9308
C9313
C9312
D9308
C9305
R9322
L9301
T9252
C9201
PE
PF
T9251

PCB-POWER 2

BOL O.	ADDRESS
10	D-4
11	D-4
12	D-4
13	C-1
14	D-5
15	D-5
16	D-1
	E-3
2	E-3
	B-7
2	C-7
3	C-7
	C-7
	C-6
	C-6
	C-6
	C-6
	C-6
	C-6
	B-6
	A-6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3
4
ISOLATED
LIVE
PG
R9501
R9502
R9529
R9410

E-3
C-7
C-6
C-7
E-7
E-7
B-7
C-6
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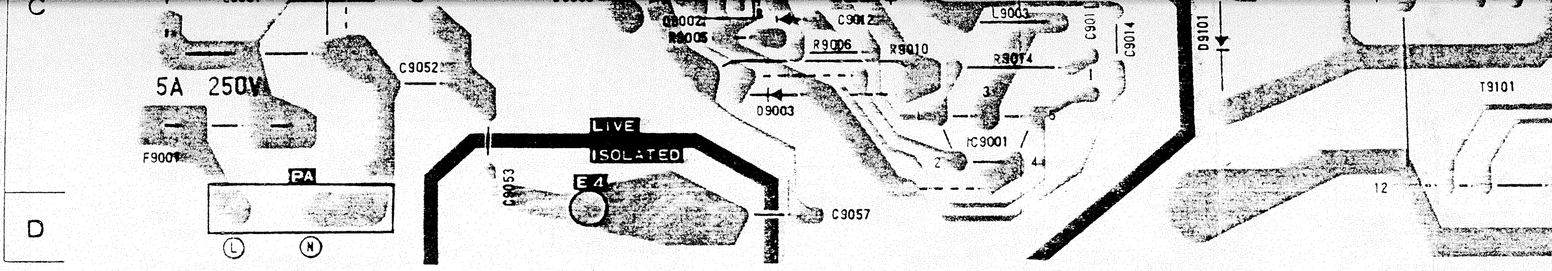
C-7
E-3
B-6
B-6
B-6
E-6
E-6
E-6
E-5
E-5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5A 250V
F9001
PA
L
N
C9052
LIVE
ISOLATED
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C9057
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R9005
C9012
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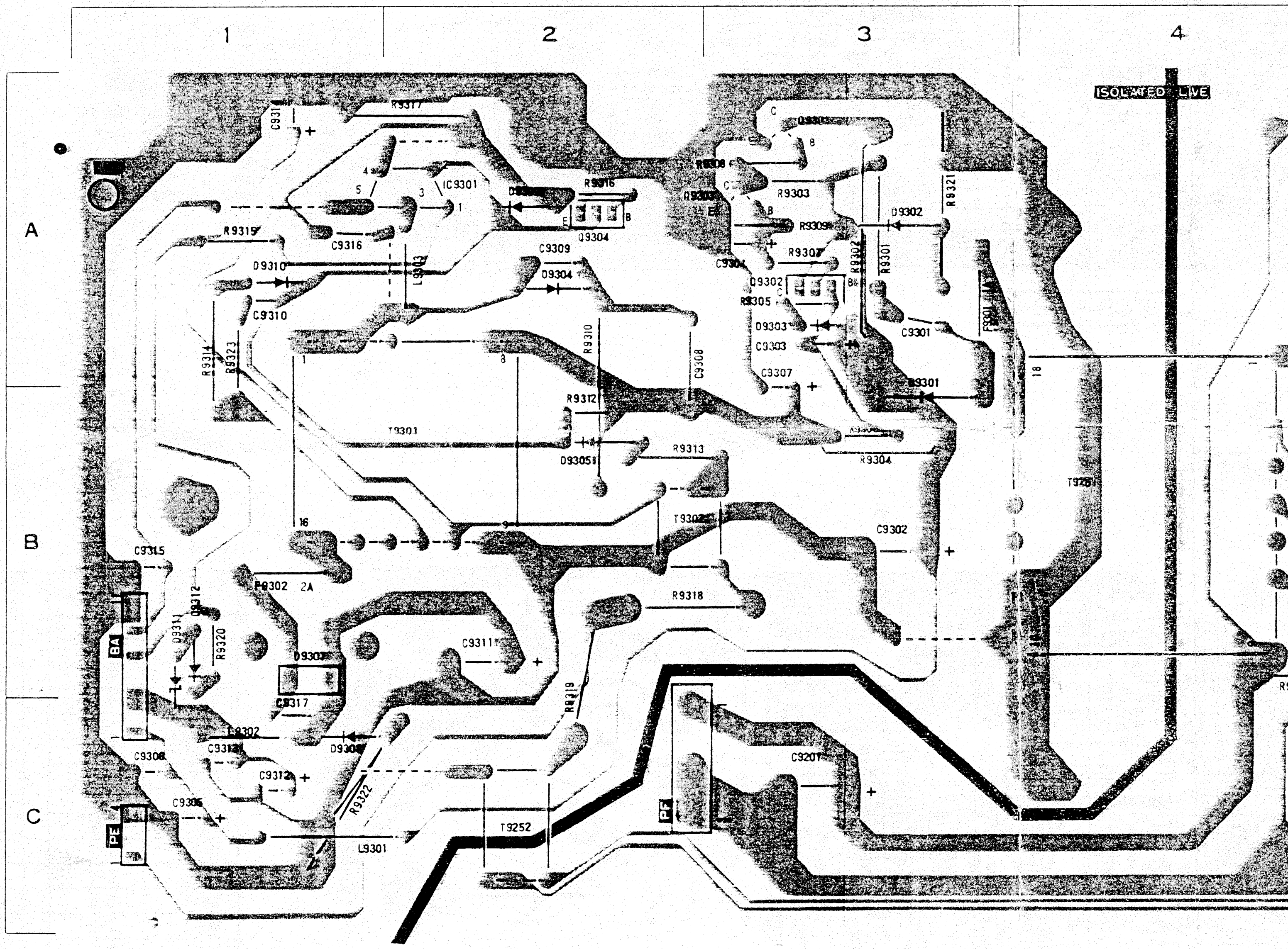
C901
C9014
D9101
T9101
12

PCB-POWER 1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C9310
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R9313
Q9303
R9303
R9309
R9307
R9302
R9301
D9302
Q9302
R9305
D9303
C9303
C9307
C9301
D9301
R9321
R9304
C9304
F9301
T9302
C9302
R9318
C9315
BA
D9311
D9312
R9320
R9302
Q9303
C9311
C9317
R9319
Q9302
C9308
C9312
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L9301
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PF
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T9201
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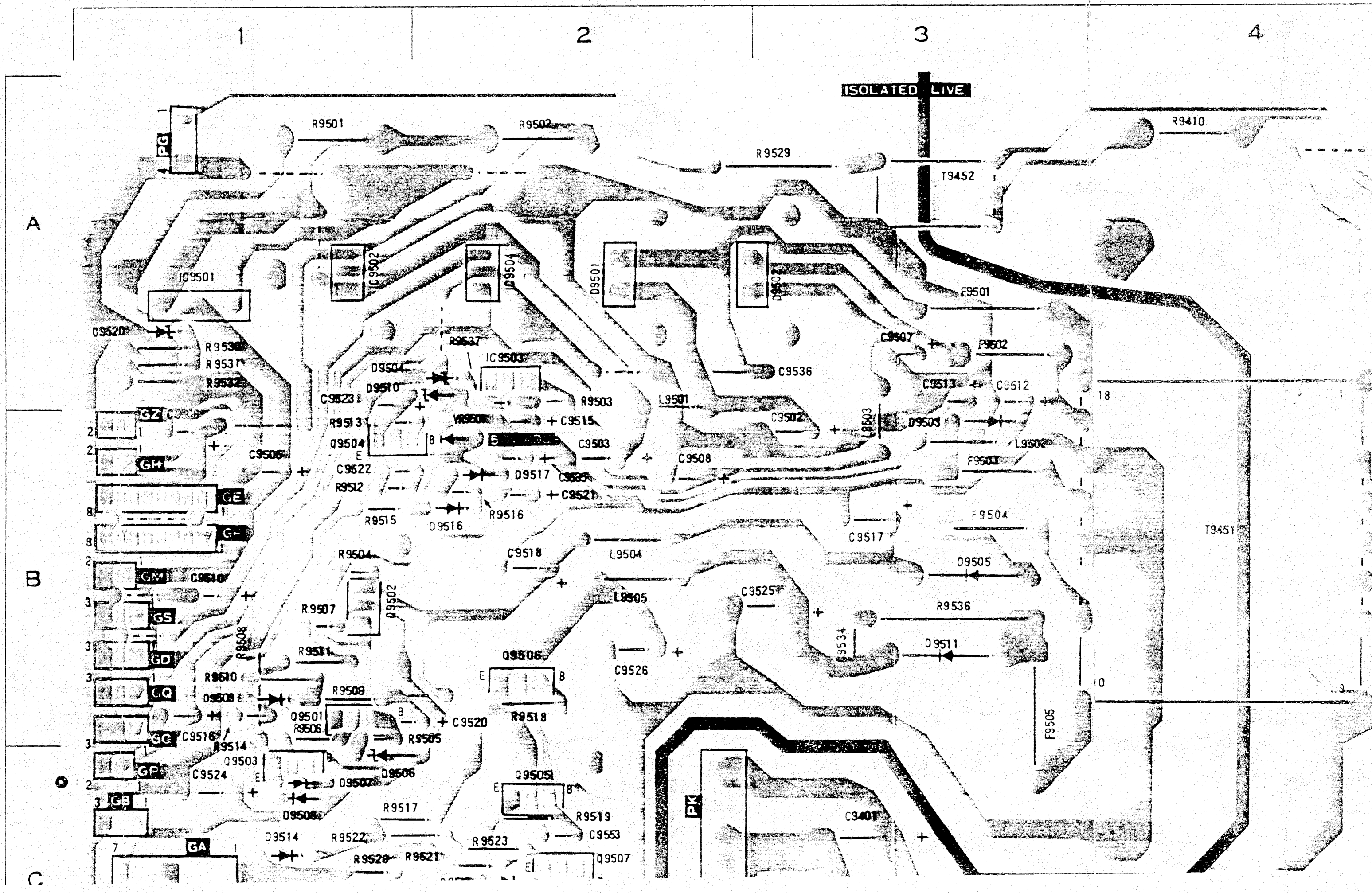
PCB-POWER 2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A
B
C
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LIVE
PG
R9501
R9502
R9529
R9410
T9452
IC9501
IC9502
IC9504
D9501
IC9505
F9501
F9502
D9520
R9530
R9531
R9532
R9537
IC9503
Q9504
D9510
C9536
C9507
C9513
C9512
C9523
R9503
R9513
C9515
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R9502
D9503
GZ
C9509
C9505
Q9504
C9503
C9522
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F9503
D9517
R9512
C9521
R9515
D9516
R9516
F9504
C9517
GE
C9518
L9504
T9451
R9504
GM
C9510
D9502
D9505
L9505
C9525
R9507
GS
R9536
R9508
R9531
Q9506
C9534
D9511
GD
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R9509
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GQ
D9508
Q9501
R9506
C9520
R9518
F9505
GC
C9516
R9514
R9505
Q9503
D9506
GF
C9524
D9507
Q9505
D9509
R9517
R9519
PK
C9401
GB
D9514
R9522
R9523
C9553
R9528
R9521
Q9507
GA
10
18

DRESS
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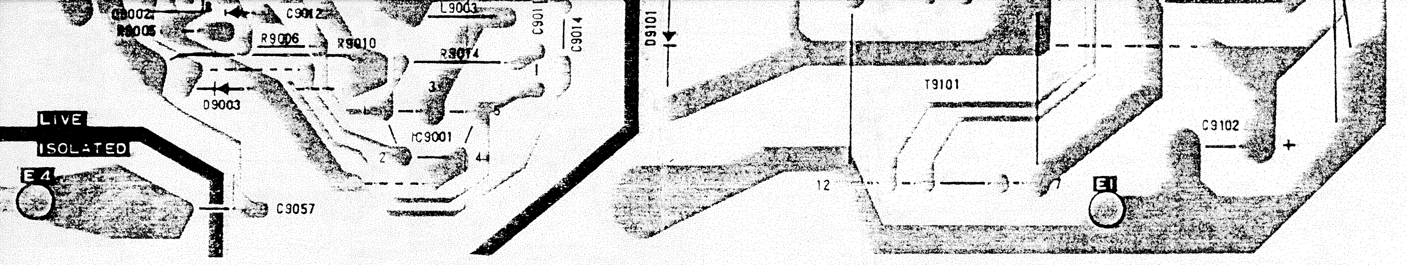
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ISOLATED
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E1
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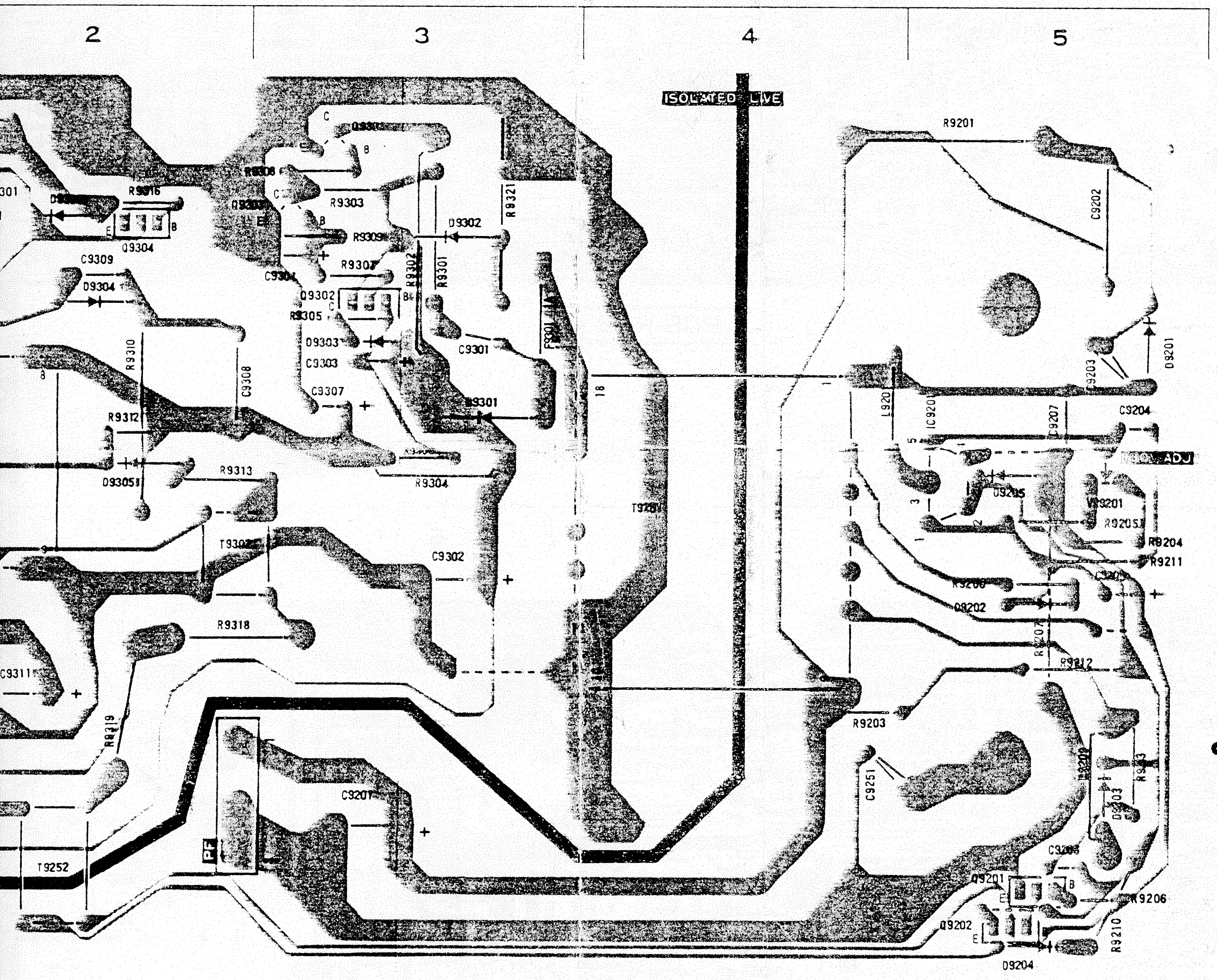
R9010
R9014
C9012
C9014
D9101
T9101
IC9001
C9057
C9102
L9003
12

PCB-POWER 1

D9001	A-2		
D9002	C-2	RP9001	A-1
D9003	C-2		
D9004	B-2	T9051	B-3
D9005	C-2	T9052	A-3
D9006	B-2	T9101	C-4
D9007	B-2		
D9101	C-3	VR9001	C-2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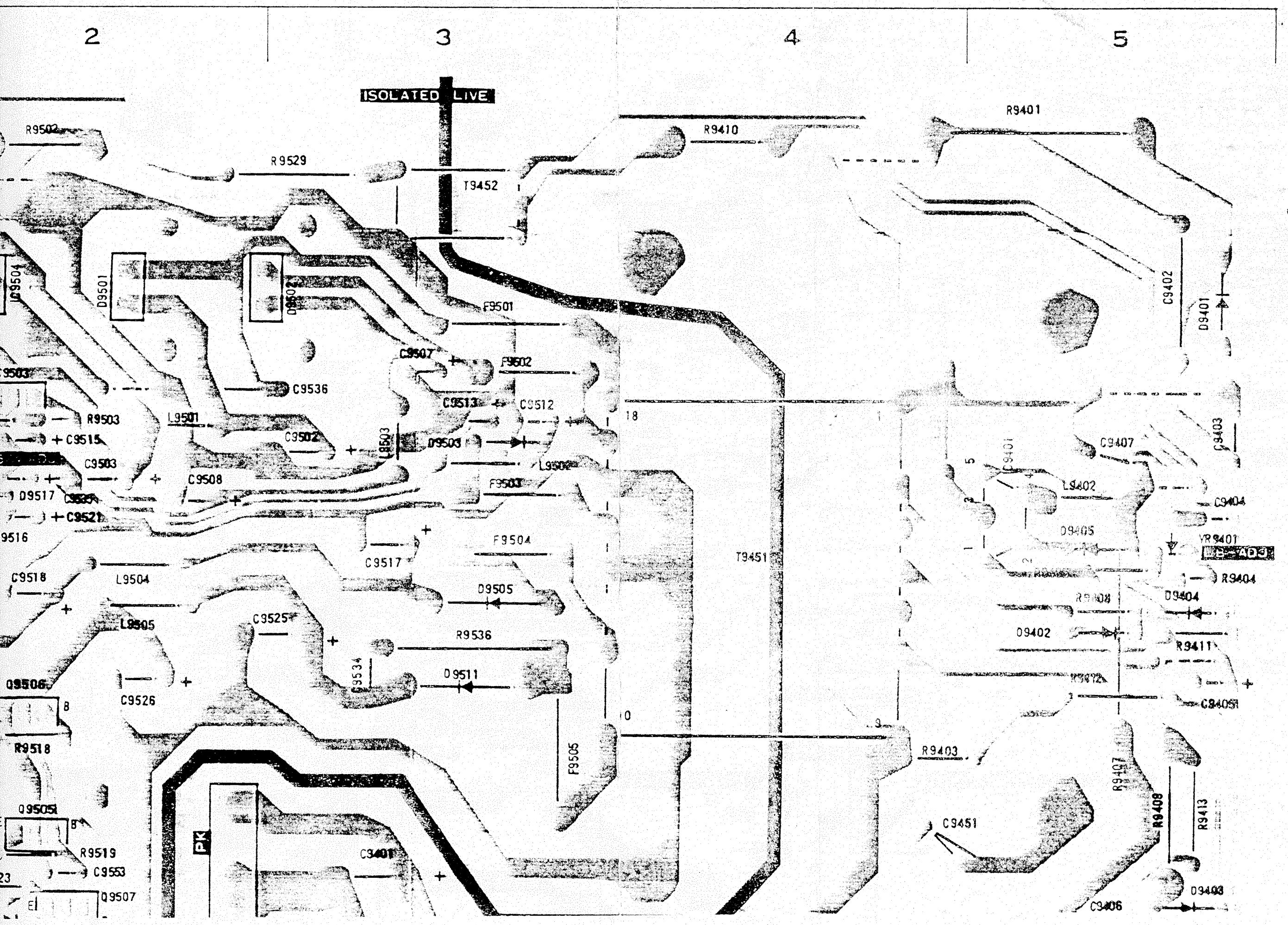
ISOLATED LIVE
ADJ
R9201
C9202
D9201
C9204
IC9201
VR9201
R9204
R9211
R9206
R9210
Q9201
Q9202
D9204
C9206
C9251
R9203
C9207
T9252
T9251
PF
C9301
C9302
D9301
D9302
D9304
D9305
Q9302
Q9303
Q9304
T9301
T9302
R9303
R9304
R9305
R9310
R9312
R9313
R9318
R9321
C9303
C9304
C9307
C9308
C9309
C9311
F9301
18

PCB-POWER 2

PCB – POWER 2

SYMBOL NO.	ADDRESS	SYMBOL NO.	ADDRESS
C9201	C-3	D9304	A-2
C9202	A-5	D9305	B-2
C9203	A-5	D9306	A-2
C9204	B-5	D9308	C-1
C9205	B-5	D9310	A-1
C9206	C-5	D9311	B-1
C9251	B-4	D9312	B-1
C9301	A-3		
C9302	B-3	F9301	A-3
C9303	B-3	F9302	B-1
C9304	B-3		
C9305	C-1	IC9201	B-5
C9306	C-1	IC9301	A-2
C9307	B-3		
C9308	A-2	L9201	B-4
C9309	A-2	L9301	C-1
C9310	A-1	L9302	C-1
C9311	B-1	L9303	A-2
C9312	C-1		
C9313	C-1	Q9201	C-5
C9314	A-1	Q9202	C-5
C9315	B-1	Q9301	A-3
C9316	A-1	Q9302	A-3
9317	C-1	Q9303	A-3
		Q9304	A-2
9201	A-5		
9202	B-5	T9251	B-4
9203	C-5	T9252	C-2
9204	C-5	T9301	B-2
9205	B-5	T9302	B-2
D9301	B-3		
D9302	A-3	VR9201	B-5
D9303	A-3		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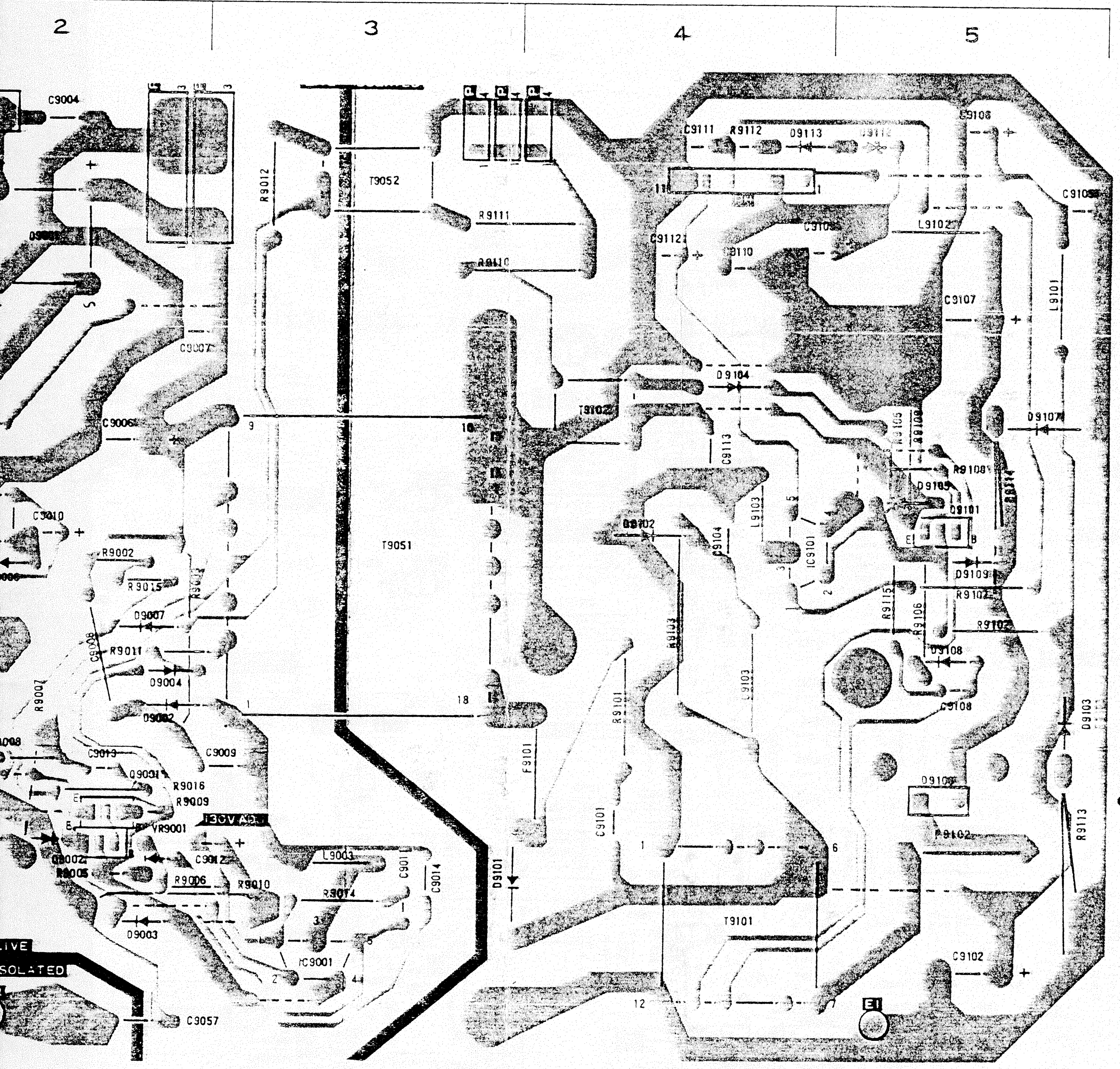
3
4
5
ISOLATED LIVE
ADJ
R9401
R9410
R9529
R9502
T9452
C9402
D9401
D9403
C9407
L9402
C9404
VR9401
R9404
R9411
D9404
Q9402
C9405
R9403
R9407
R9408
R9413
C9451
C9401
C9406
D9403
T9451
F9501
F9502
F9503
F9504
F9505
C9507
C9536
C9513
C9512
C9502
C9508
L9501
L9503
L9502
D9503
D9505
D9511
R9536
C9525
C9517
C9534
L9504
L9505
C9518
C9526
Q9506
R9518
Q9505
R9519
C9553
Q9507
D9517
C9521
C9515
R9503
C9503
D9501
PK
18

PCB – POWER 3

SYMBOL NO.	ADDRESS	SYMBOL NO.	ADDRESS
9401	C-3	9511	B-3
C9402	A-5	D9512	C-2
C9403	B-5	D9513	C-2
C9404	B-5	D9514	C-1
C9405	B-5	D9515	C-2
C9406	C-5	D9516	B-2
C9407	B-5	D9517	B-2
C9502	B-3	D9518	C-1
C9503	B-2	D9519	C-1
C9505	B-1	D9520	A-1
C9506	B-1		
C9507	A-3	F9501	A-3
C9508	B-2	F9502	A-3
C9509	B-1	F9503	B-3
C9510	B-1	F9504	B-3
C9512	A-3	F9505	B-3
C9513	A-3		
C9515	C-2	IC9501	A-1
C9516	B-1	IC9502	A-1
C9517	B-3	IC9503	A-2
C9518	B-2	IC9504	A-2
C9520	B-2		
C9521	B-2	L9401	A-4
C9522	B-1	L9402	B-5
C9523	A-1	L9501	B-2
C9524	C-1	L9502	B-3
C9525	B-3	L9503	B-3
C9526	B-2	L9504	B-2
C9530	C-2	L9505	B-2
C9531	C-1		
C9536	A-2	Q9401	C-5
C9553	C-2	Q9402	C-5
		Q9501	B-1
D9401	A-5	Q9502	B-1
D9402	B-5	Q9503	C-1
D9403	C-5	Q9504	B-1
D9404	B-5	Q9505	C-2
D9501	A-2	Q9506	B-2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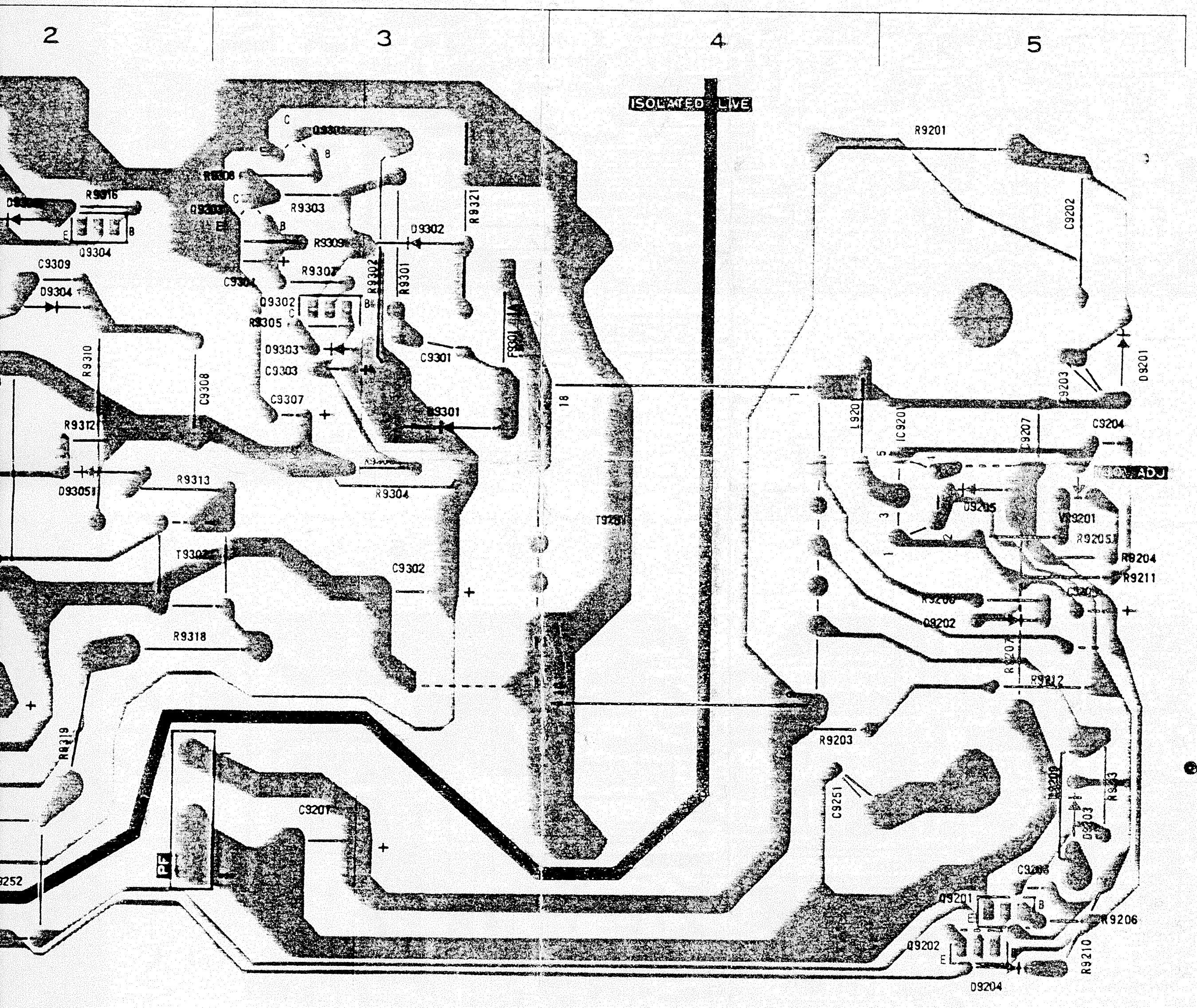
R9110
C9111
R9112
D9113
D9112
C9108
C9105
L9102
C9112
D9110
C9107
L9101
D9104
D9107
T9051
C9006
C9010
R9002
R9015
D9007
R9011
D9004
D9002
C9013
C9009
D9001
R9016
R9009
130V ADJ
VR9001
C9012
R9006
R9010
L9003
R9014
C9014
D9003
IC9001
C9057
LIVE
ISOLATED
D9102
IC9101
D9101
T9101
C9102
F9101
C9101
D9103
R9113
E1

PCB-POWER 1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3
4
5
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R9321
R9303
R9309
D9302
R9307
R9302
R9301
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D9304
C9304
Q9302
R9305
D9303
C9303
C9307
C9308
R9310
R9312
C9301
D9301
R9313
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R9304
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R9319
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L9201
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C9205
Q9201
R9205
R9204
R9211
C9206
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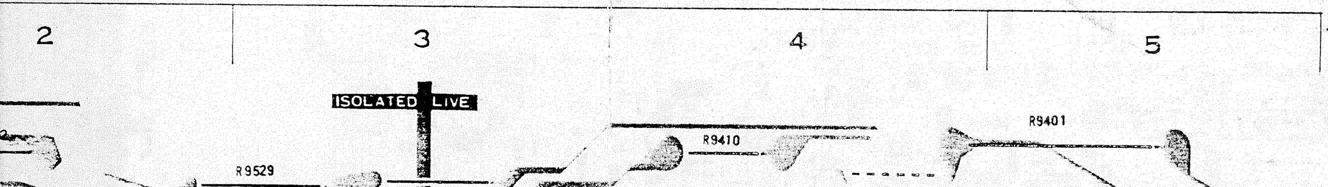
R9206
R9210
T9252

PCB-POWER 2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ISOLATED LIVE
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R9410
R9401

PCB –
POWER 1

SYMBOL NO.	ADDRESS
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C9005	B-2
C9006	B-2
C9007	A-2
C9008	B-2
C9009	C-3
C9010	B-2
C9011	C-3
C9012	C-3
C9013	C-2
C9014	C-3
C9051	C-1
C9052	C-1
C9053	C-2
C9057	D-2
C9101	C-4
C9102	C-5
C9103	B-4
C9104	B-4
C9105	A-5
C9106	A-5
C9107	A-5
C9108	B-5
C9109	A-4
C9110	A-4
C9111	A-4
C9112	A-4
C9114	B-1
D9001	A-2
D9002	C-2
D9003	C-2
D9004	B-2
D9005	C-2
D9006	B-2
D9007	B-2
D9101	C-3

SYMBOL NO.	ADDRESS
D9102	B-4
D9103	C-5
D9104	B-4
D9105	B-5
D9106	C-5
D9107	B-5
D9108	B-5
D9109	B-5
D9110	A-1
D9111	A-1
D9112	A-5
D9113	A-4
F9001	C-1
F9101	C-4
F9102	C-5
IC9001	C-3
IC9101	B-4
L9001	C-1
L9002	B-2
L9003	C-3
L9101	A-5
L9102	A-5
L9103	B-4
Q9001	C-2
Q9002	C-2
Q9101	B-5
RP9001	A-1
T9051	B-3
T9052	A-3
T9101	C-4
VR9001	C-2

PCB –
POWER 2

SYMBOL NO.	ADDRESS
C9201	C-3
C9202	A-5
C9203	A-5
C9204	B-5
C9205	B-5
C9206	C-5
C9251	B-4
C9301	A-3
C9302	B-3
C9303	B-3
C9304	B-3
C9305	C-1
C9306	C-1
C9307	B-3
C9308	A-2
C9309	A-2
C9310	A-1
C9311	B-1
C9312	C-1
C9313	C-1
C9314	A-1
C9315	B-1
C9316	A-1
9317	C-1
9201	A-5
9202	B-5
9203	C-5
9204	C-5
9205	B-5
9301	B-3
9302	A-3
9303	A-3

SYMBOL NO.	ADDRESS
D9304	A-2
D9305	B-2
D9306	A-2
D9308	C-1
D9310	A-1
D9311	B-1
D9312	B-1
F9301	A-3
F9302	B-1
IC9201	B-5
IC9301	A-2
L9201	B-4
L9301	C-1
L9302	C-1
L9303	A-2
Q9201	C-5
Q9202	C-5
Q9301	A-3
Q9302	A-3
Q9303	A-3
Q9304	A-2
T9251	B-4
T9252	C-2
T9301	B-2
T9302	B-2
VR9201	B-5

B –
WER 3

MBOL NO.	ADDRESS
9401	C-3
C9402	A-5
C9403	B-5
C9404	B-5
C9405	B-5
C9406	C-5
C9407	B-5
C9502	B-3
C9503	B-2
C9505	B-1
C9506	B-1

SYMBOL NO.	ADDRESS
D9511	B-3
D9512	C-2
D9513	C-2
D9514	C-1
D9515	C-2
D9516	B-2
D9517	B-2
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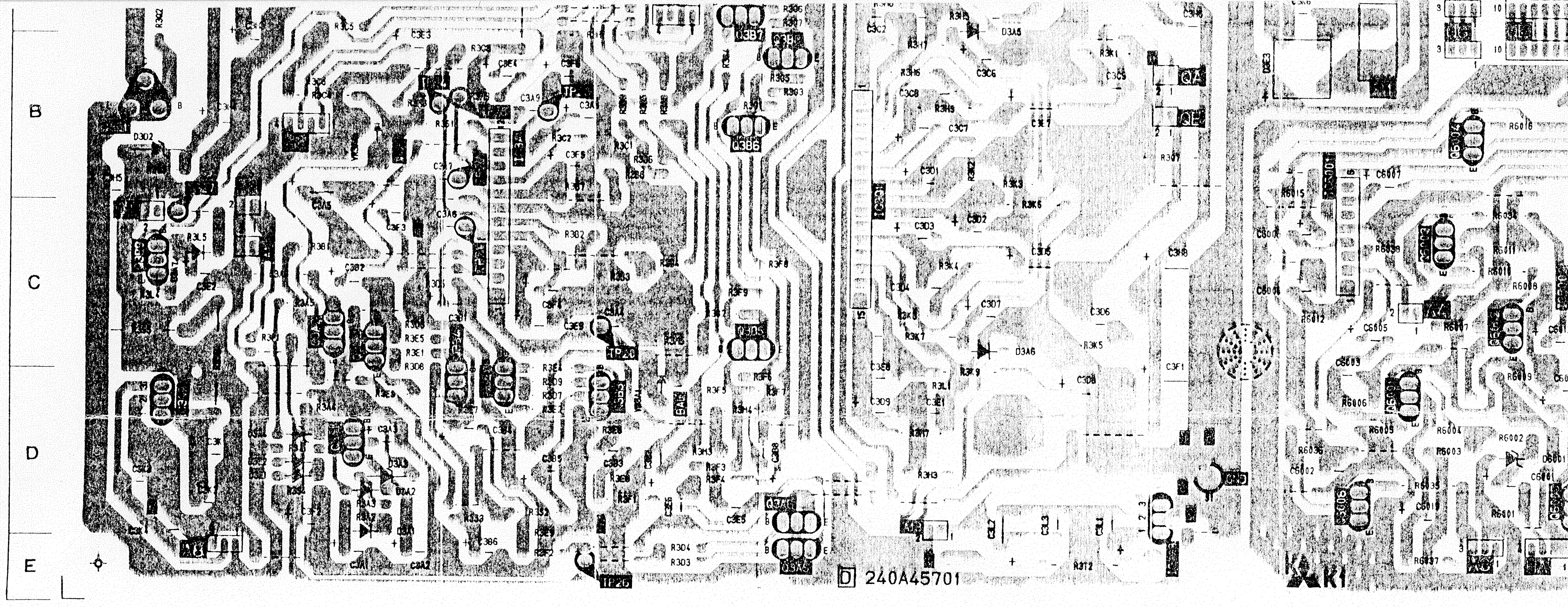
D9519	C-1
D9520	A-1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D
E
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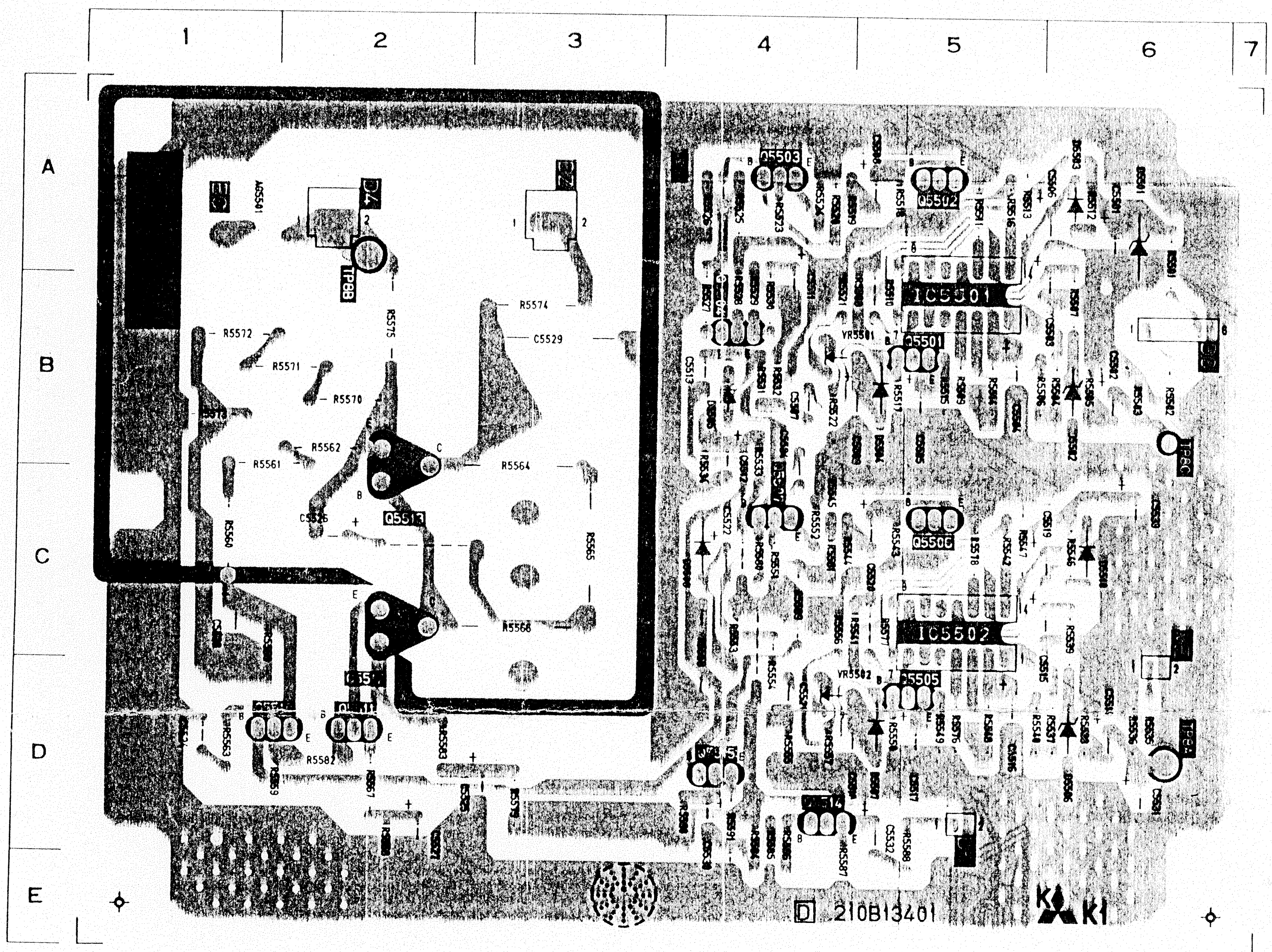
PCB-AUDIO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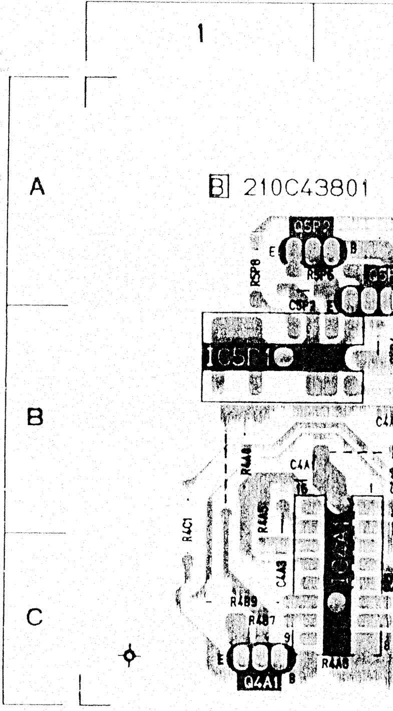
A
B
C
D
E
IC5501
IC5502
Q5502
Q5503
Q5506
Q5513
TP8B
VR5501
VR5502
210B13401

PCB-DBF

PCB -- DBF

SYMBOL NO.	ADDRESS
D5501	A-6
D5502	B-6
D5503	A-6
D5504	B-5
D5505	B-4
D5506	D-6
D5507	D-5
D5508	C-4
D5510	C-6
IC5501	B-5
IC5502	C-5
Q5501	B-5
Q5502	A-5
Q5503	A-4
Q5504	B-4
Q5505	D-5
Q5506	C-5
Q5507	C-4
Q5510	D-2
Q5511	D-2
Q5512	D-2
Q5513	C-2
Q5514	D-4
Q5515	D-4
TP8A	D-6
TP8B	B-2
TP8C	B-6
VR5501	B-5
VR5502	D-5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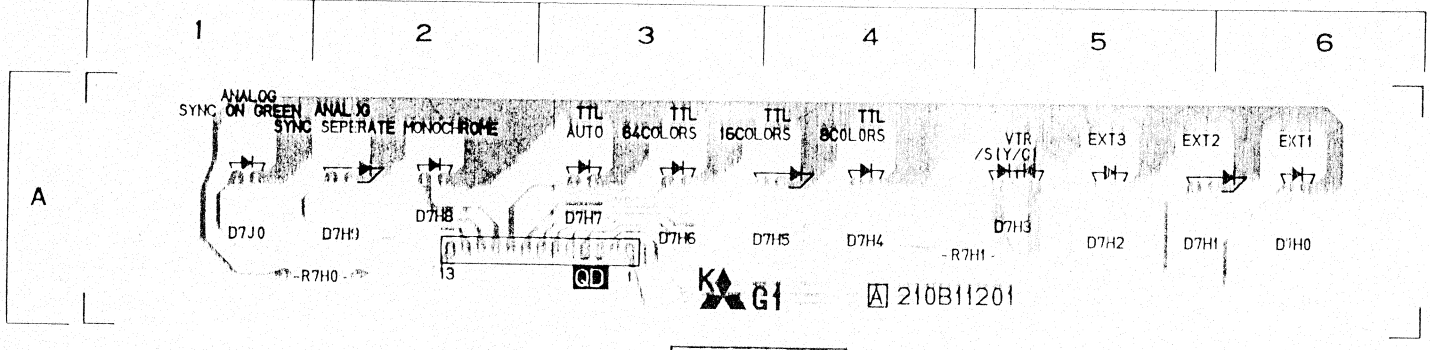
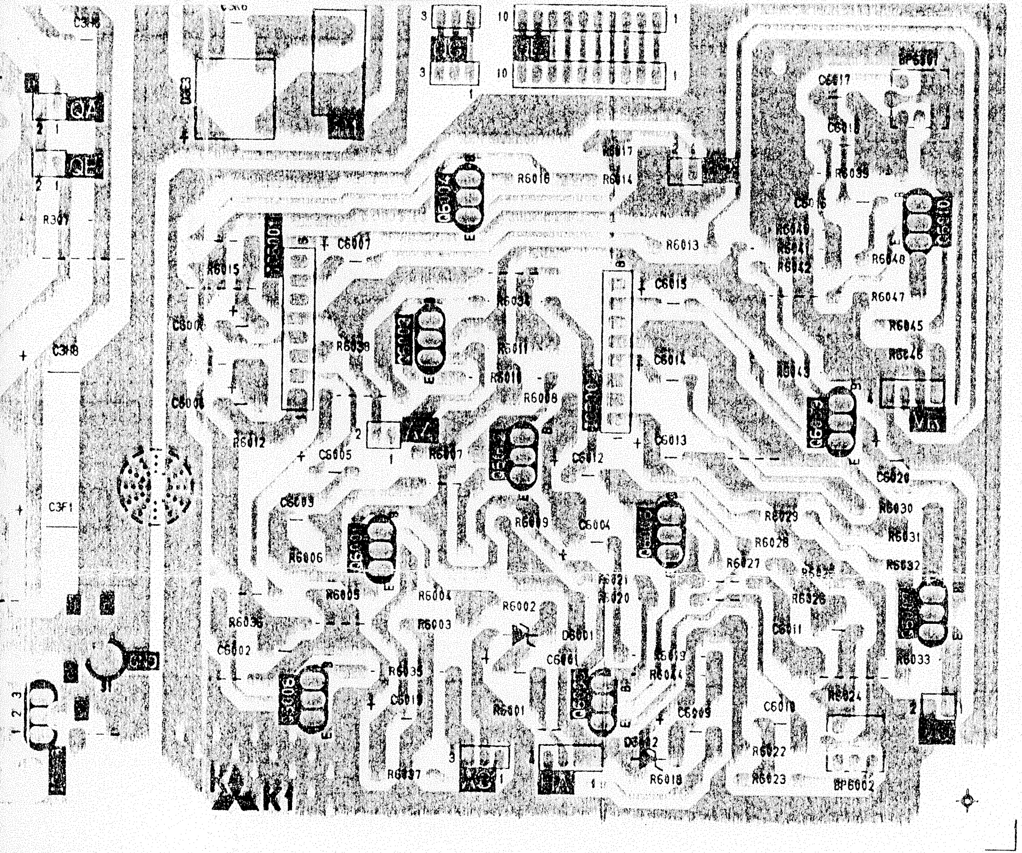
C
210C43801


1
2
3
4
5
6
A
SYNC ON GREEN
ANALOG SYNC SEPERATE
ANALOG MONOCHROME
TTL AUTO
TTL 64COLORS
TTL 16COLORS
TTL 8COLORS
VTR (S(Y/C))
EXT3
EXT2
EXT1
D7J0
D7H9
D7H8
D7H7
D7H6
D7H5
D7H4
D7H3
D7H2
D7H1
D7H0
R7H0
R7H1
QD
210B11201

PCB-LED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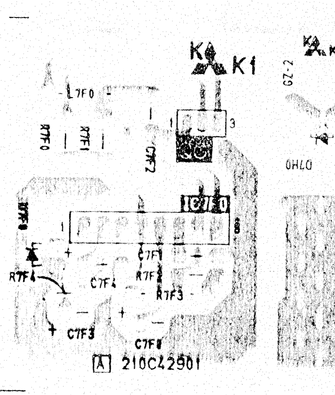
Q6004
Q6005
Q6008
Q6009
Q6003
Q6006
Q6007
Q6002
Q6001
R6018
R6013
R6012
R6035
R6037
R6018
BP6001
BP6002
C6017
C6007
C6001
C6005
C6012
C6010
C6009
R301
C3F1
1 2 3

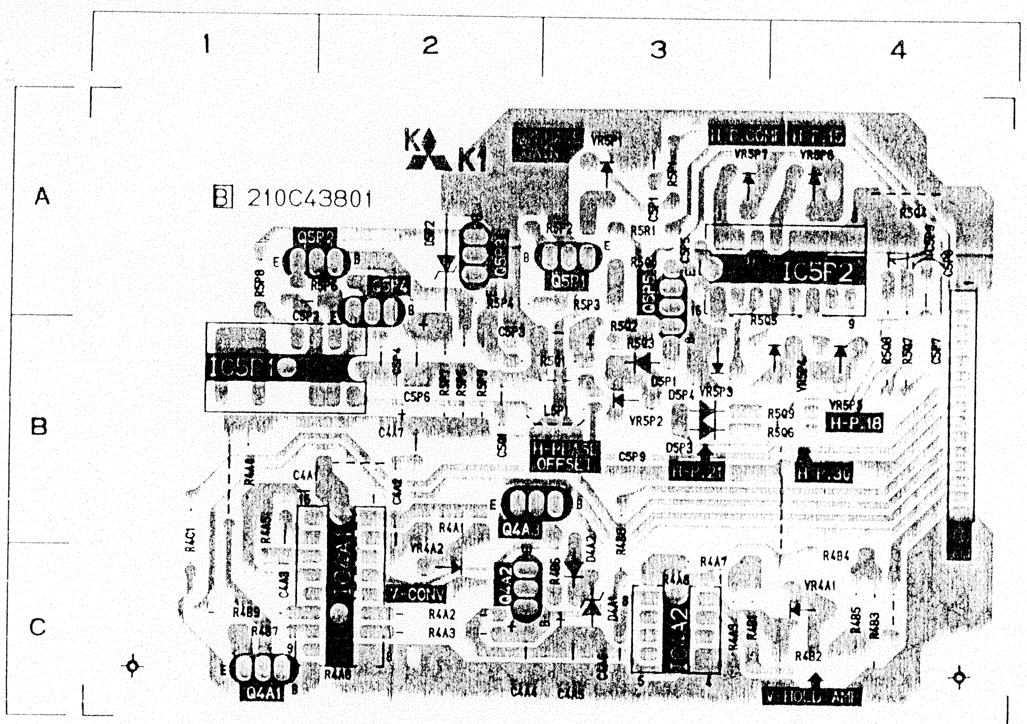
D3A5	A-6
D3A6	C-6
D3A7	C-1
D3D1	A-2
D3D2	B-1
D3D4	A-7
D3E1	D-2
D3E2	D-2
D3E3	B-8
D3E4	A-3
D3E5	A-3
D6001	D-10
D6002	D-10
IC3A1	B-3
IC301	B-5
IC302	D-1
IC303	E-7
IC6001	B-8
IC6002	C-10
Q3A1	D-2
Q3A2	C-2
Q3A5	E-5
Q3A6	D-5
Q3B1	D-3
Q3B2	C-2
Q3B7	B-5
Q3B8	B-5
Q3B9	C-1
Q3E1	B-1
Q6001	D-9
Q6002	C-9
Q6003	C-9
Q6004	B-9
Q6005	D-10
Q6006	C-10
Q6007	D-11
Q6008	D-8
Q6009	C-11
Q6010	B-11
TP20	C-4
TP21	C-3
TP22	B-3
TP23	B-4
TP24	B-3
TP25	B-3
TP26	E-4
TP27	B-1
VR3A1	D-4
VR3A4	B-2


K1
IC7F0
C7F1
C7F2
C7F3
C7F4
C7F8
R7F2
R7F3
R7F4
A 210C42901

PCB-PREAMP

— DBF

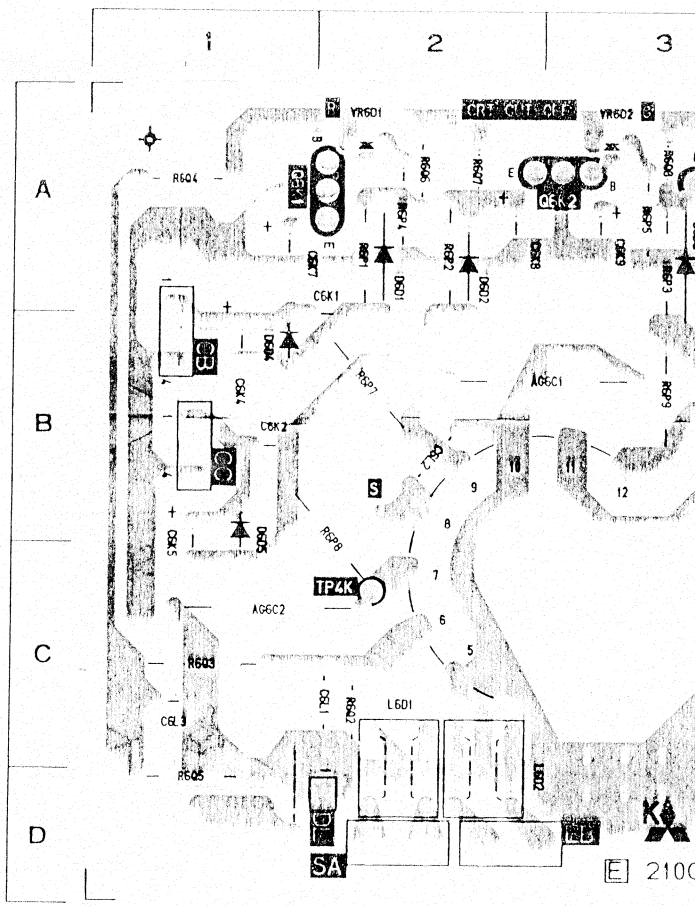
OL	ADDRESS
1	A-6
2	B-6
3	A-6
4	B-5
5	B-4
6	D-6
7	D-5
8	C-4
9	C-6
1	B-5
2	C-5
	B-5
	A-5
	A-4
	B-4
	D-5
	C-5
	C-4
	D-2
	D-2
	D-2
	C-2
	D-4
	D-4
	D-6
	B-2
	B-6
	B-5
2	D-5


1
2
3
4
A
B
C
K1
B 210C43801
Q5P2
Q5P1
IC5P1
IC5P2
IC4A1
Q4A1
Q4A2
Q4A3
VR5P1
VR5P2
VR5P3
D5P1
D5P4
H-PHASE OFFSET
H-P.18
V.CON
V.HOLD ADJ
VR4A1
R4A1
R4A2
R4A3

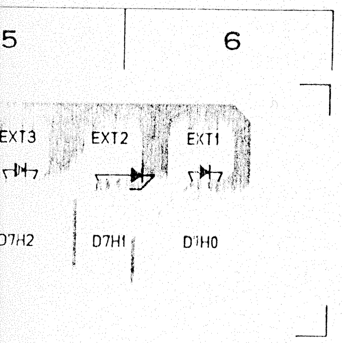
PCB-SCAN

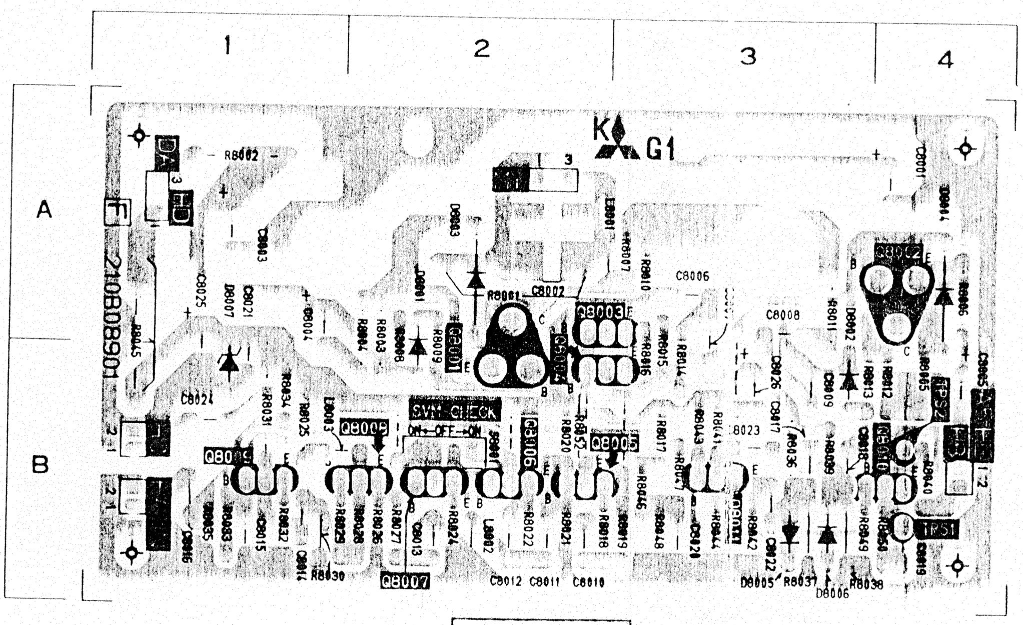
PCB — SCAN

SYMBOL NO.	ADDRESS
D4A1	C-3
D4A2	B-3
D5P1	B-3
D5P2	A-2
D5P3	B-3
D5P4	B-3
IC4A1	B-2
IC4A2	C-3
IC5P1	B-1
IC5P2	A-4
L5P1	B-3
Q4A1	C-1
Q4A2	C-2
Q4A3	B-3
Q5P1	A-3
Q5P2	A-2
Q5P3	A-2
Q5P4	A-2
Q5P5	A-3
VR4A1	C-4
VR4A2	C-2
VR5P1	A-3
VR5P2	B-3
VR5P3	B-3
VR5P4	B-4
VR5P5	B-4
VR5P6	A-4
VR5P7	A-4


1
2
3
A
B
C
D
CRT CUT OFF
VR601
VR602
Q6K1
Q6K2
R604
R603
R605
C6K1
C6K2
C6K5
D604
D605
AG6C1
AG6C2
TP4K
L601
SA
K
E 210C

PCB-CRT


5
6
EXT3
EXT2
EXT1
D7H2
D7H1
D7H0


1
2
3
4
A
B
K G1
F 210B08901
SVM CHECK
ON←OFF→ON
Q8001
Q8002
Q8003
Q8004
Q8005
Q8006
Q8007
Q8008
Q8009
Q8010
TPS1
TPS2
C8001
C8002
C8005
C8006
C8008
C8009
C8010
C8011
C8012
C8024
D8003

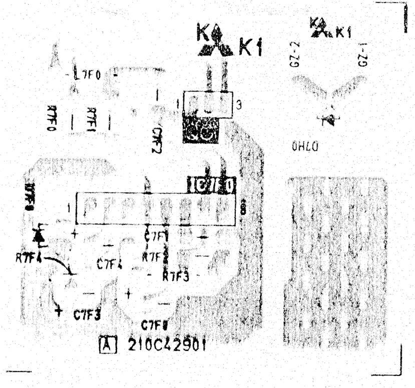
PCB-SVM

PCB — SVM

SYMBOL NO.	ADDRESS
D8001	A-2
D8002	A-3
D8003	A-2
D8004	A-4
D8005	B-3
D8006	B-3
D8007	A-1
L8001	A-2
L8002	B-2
L8003	B-1
Q8001	A-2
Q8002	A-4
Q8003	A-2
Q8004	B-2
Q8005	B-3
Q8006	B-2
Q8007	B-2
Q8008	B-2
Q8009	B-1
Q8010	B-3
Q8011	B-3
TPS1	B-4
TPS2	B-4

D3A5	A-6
D3A6	C-6
D3A7	C-1
D3D1	A-2
D3D2	B-1
D3D4	A-7
D3E1	D-2
D3E2	D-2
D3E3	B-8
D3E4	A-3
D3E5	A-3
D6001	D-10
D6002	D-10
IC3A1	B-3
IC3Q1	B-5
IC3Q2	D-1
IC3Q3	E-7
IC6001	B-8
IC6002	C-10
Q3A1	D-2
Q3A2	C-2
Q3A5	E-5
Q3A6	D-5
Q3B1	D-3
Q3B2	C-2

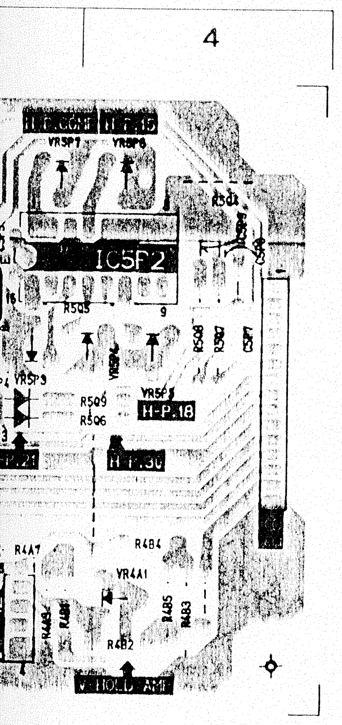
Q3B7	B-5
Q3B8	B-5
Q3B9	C-1
Q3E1	B-1
Q6001	D-9
Q6002	C-9
Q6003	C-9
Q6004	B-9
Q6005	D-10
Q6006	C-10
Q6007	D-11
Q6008	D-8
Q6009	C-11
Q6010	B-11
TP20	C-4
TP21	C-3
TP22	B-3
TP23	B-4
TP24	B-3
TP25	B-3
TP26	E-4
TP27	B-1
VR3A1	D-4
VR3A4	B-2

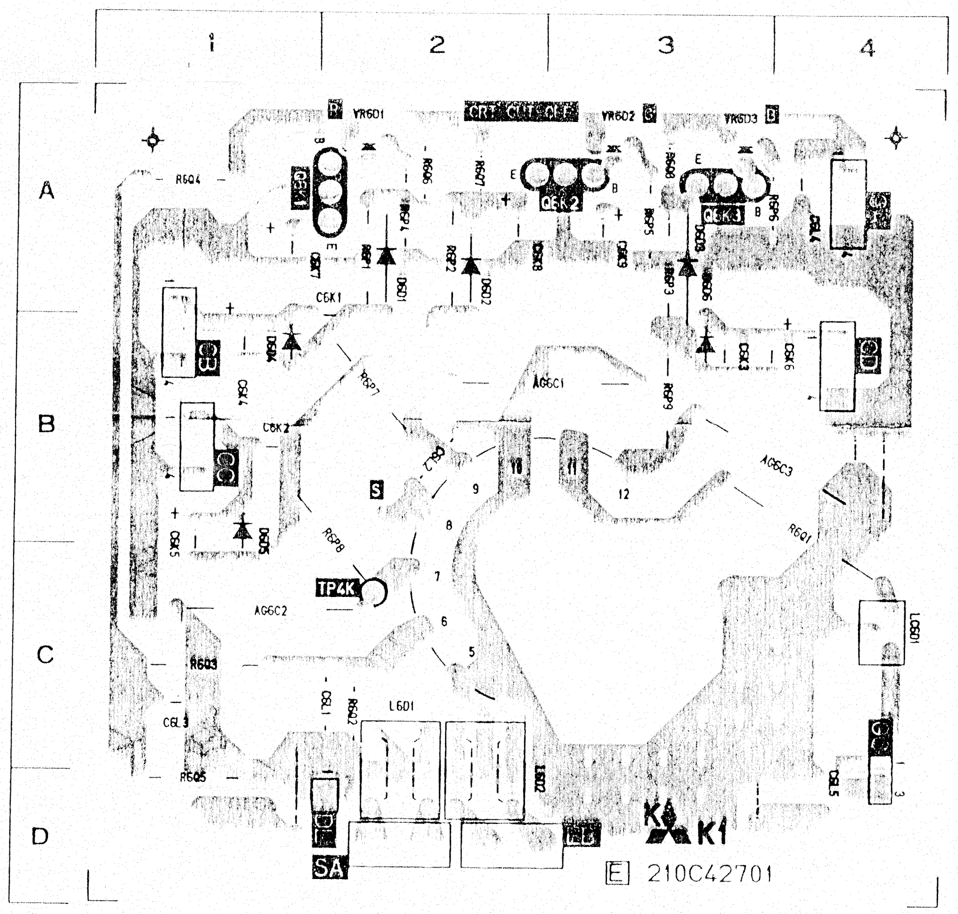

K1
K1
C7F0
R7F0
R7F1
C7F2
IC7F0
R7F4
C7F4
C7F1
R7F3
C7F3
C7F8
A 210C42901

PCB-PREAMP

PCB – SCAN

SYMBOL NO.	ADDRESS
D4A1	C-3
D4A2	B-3
D5P1	B-3
D5P2	A-2
D5P3	B-3
D5P4	B-3
IC4A1	B-2
IC4A2	C-3
IC5P1	B-1
IC5P2	A-4
L5P1	B-3
Q4A1	C-1
Q4A2	C-2
Q4A3	B-3
Q5P1	A-3
Q5P2	A-2
Q5P3	A-2
Q5P4	A-2
Q5P5	A-3
VR4A1	C-4
VR4A2	C-2
VR5P1	A-3
VR5P2	B-3
VR5P3	B-3
VR5P4	B-4
VR5P5	B-4
VR5P6	A-4
VR5P7	A-4


4
IC5F2
H-P.18
V.HOLD ADJ


1
2
3
4
A
B
C
D
VR6D1
CRT CUT OFF
VR6D2
VR6D3
Q6K1
Q6K2
Q6K3
TP4K
AG6C1
AG6C2
AG6C3
L6D1
K1
SA
E 210C42701

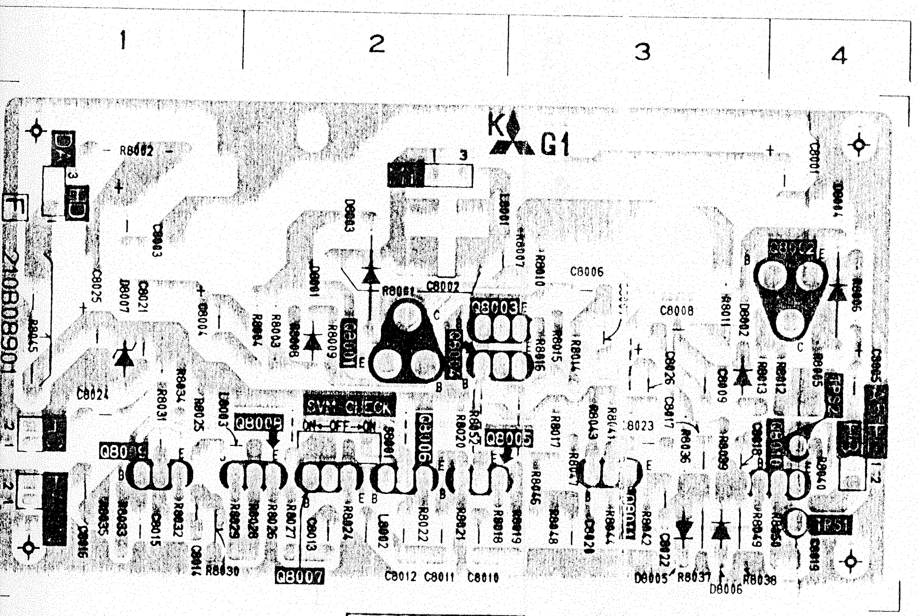
PCB-CRT

PCB – CRT

SYMBOL NO.	ADDRESS
D6D1	A-2
D6D2	A-2
D6D3	A-3
D6D4	B-1
D6D5	B-1
D6D6	A-3
L6D1	C-2
L6D2	C-2
LC6D1	C-4
Q6K1	A-1
Q6K2	A-3
Q6K3	A-3
TP4K	C-2
VR6D1	A-2
VR6D2	A-3
VR6D3	A-3

PCB – SVM

SYMBOL NO.	ADDRESS
D8001	A-2
D8002	A-3
D8003	A-2
D8004	A-4
D8005	B-3
D8006	B-3
D8007	A-1
L8001	A-2
L8002	B-2
L8003	B-1
Q8001	A-2
Q8002	A-4
Q8003	A-2
Q8004	B-2
Q8005	B-3
Q8006	B-2
Q8007	B-2
Q8008	B-2
Q8009	B-1
Q8010	B-3
Q8011	B-3
TPS1	B-4
TPS2	B-4


1
2
3
4
G1
F 210B06901
SVM CHECK
ON←OFF→ON
Q8007
TPS1
TPS2

PCB-SVM